

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	186	((add\$3 or modif\$5 or insert\$3) with (tag or label or (domain near3 name)) with (search\$3 or quer\$5)) and (@ad<"20010104")	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/02/09 20:21
L2	59	((add\$3 or modif\$5 or insert\$3) with (tag or label or (domain near3 name)) with (search\$3 or quer\$5)) and (@ad<"20010104") and "707"/\$.ccls.	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/02/09 20:49
L3	749	(search\$3 with engine with index\$3) and (@ad<"20010104")	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/02/09 20:34
L4	1	((index\$3 with request\$3) same ((populat\$3 or fill\$3) with (search\$3 near3 engine))) and (@ad<"20010104")	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/02/09 20:36
L5	240	((search\$3 near3 engine) with (index\$3 or request\$3) with (content\$2 or file\$2)) and (@ad<"20010104")	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/02/09 20:39
L6	3	((search\$3 near3 engine) with (index\$3 or request\$3) with (content\$2 or file\$2)) and ((add\$3 or modif\$5 or insert\$3) with (tag or label or (domain near3 name)) with (search\$3 or quer\$5)) and (@ad<"20010104")	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/02/09 20:39
L7	76	((add\$3 or modif\$5 or insert\$3 or append\$5 or merg\$3 or join\$3 or attach\$3) with (tag or label or (domain near3 name)) with (search\$3 or quer\$5)) and (@ad<"20010104") and "707"/\$.ccls.	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/02/09 20:56
L8	667	((add\$3 or modif\$5 or insert\$3 or append\$5 or merg\$3 or join\$3 or attach\$3) with (search\$3 or quer\$5)) same ((limit\$3 or restrict\$3 or control\$5) with (search\$3 or quer\$3 or access\$5))) and (@ad<"20010104") and "707"/\$.ccls.	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/02/09 20:59

L9	133	((add\$3 or modif\$5 or insert\$3 or append\$5 or merg\$3 or join\$3 or attach\$3) with (search\$3 or quer\$5)) same ((limit\$3 or restrict\$3 or control\$5) with (search\$3 or quer\$3 or access\$5))) and ((search\$3 or quer\$3 or access\$5) with (tag\$2 or label\$2 or (domain adj name))) and (@ad<"20010104") and "707"/\$.ccls.	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/02/09 21:00
S1	1802	(tag with search\$3) and (@ad<"20010104")	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/10/26 17:18
S2	453	(search\$3 or quer\$5 or retriev\$3).ab. and (tag with search\$3) and (@ad<"20010104")	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/10/26 17:19
S3	35	(search\$3 or quer\$5 or retriev\$3).ab. and (tag with (restrict\$5 or limit\$7) with (search\$3 or quer\$5 or retriev\$3)) and (@ad<"20010104")	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/10/26 17:20
S4	12810	(search\$3 or quer\$4).ab.	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/09/04 16:34
S5	684	((search\$3 or quer\$4).ab.) and ((modif\$4 or appl\$4) with (profile or information) with (search\$3 or quer\$4))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/04/07 09:32
S6	370	((search\$3 or quer\$4).ab.) and ((modif\$4 or appl\$4) with (profile or information) with (search\$3 or quer\$4))) and "707"/\$.ccls.	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/14 10:45
S7	89	((search\$3 or quer\$4).ab.) and ((modif\$4 or appl\$4) with ((user or client) near3 (profile or information)) with (search\$3 or quer\$4))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/14 16:03
S8	496	((login or (log\$4 adj in)) near3 information) same ((user or client) near3 (profile or information))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/15 08:50
S9	62	((login or (log\$4 adj in)) near3 information) same ((user or client) near3 (profile or information))) and ((before or prior) with (search\$3 or quer\$4))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/15 11:27

S10	29	(((((login or (log\$4 adj in)) near3 information) same ((user or client) near3 (profile or information))) and ((before or prior) with (search\$3 or quer\$4))) and ((modif\$4 or adjust\$3 or clarif\$4 or appl\$4 or preprocess\$4 or (pre adj process\$4)) with (search\$3 or quer\$4)))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/15 08:10
S11	227	(index\$3 with (search\$3 near3 engine) with (database or (data adj base)))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/15 11:43
S12	28	((index\$3 with (search\$3 near3 engine) with (database or (data adj base)))) and ((search\$3 near3 engine) same (access\$3 with (control or restrict\$5 or undirect\$3 or (un adj direct\$3) or direct\$3)))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/15 11:46
S13	172	((index\$3 with (search\$3 near3 engine) with (database or (data adj base)))) and (((search\$3 near3 engine) same (access\$3 with (control or restrict\$5 or undirect\$3 or (un adj direct\$3) or direct\$3))) or filter\$3 or restrict\$5)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/15 12:04
S14	208	(search\$3 with engine).ab. and (request\$3 or retriev\$4 or receiv\$4) with (database or (data adj base) or (content adj file))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/15 13:31
S15	1585	((interface or program or layer or filter) with engine with (database or file))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/15 13:36
S16	369	(search\$3 or quer\$4).ab. and ((interface or program or layer or filter) with engine with (database or file))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/15 13:44
S17	68	(search\$3 or quer\$4).ab. and ((interface or program or layer or filter) with engine with (database or file) with (between or interact\$3 or communicat\$3))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/15 13:54
S18	224	((search\$3 near3 engine) with index\$3 with database)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/15 14:20
S19	132	((search\$3 near3 engine) with index\$3 with database)) and ((modif\$4 or organiz\$3 or categor\$9) with (database or file))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/15 13:59

S20	465	((index or indexing) with (database or file)) and ((search\$3 or quer\$4) with (indexed or modified or categorized) with (database or file))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/15 14:43
S21	189	((index or indexing) with (database or file)) same ((search\$3 or quer\$4) with (indexed or modified or categorized) with (database or file))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/15 15:49
S22	189	((index or indexing) with (database or file)) and ((search\$3 or quer\$4) with (indexed or modified or categorized) with (database or file))) and (((index or indexing) with (database or file)) same ((search\$3 or quer\$4) with (indexed or modified or categorized) with (database or file)))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/15 15:49
S23	134	((index or indexing) with (database or file)) and ((search\$3 or quer\$4) with (indexed or modified or categorized) with (database or file))) and (((index or indexing) with (database or file)) same ((search\$3 or quer\$4) with (indexed or modified or categorized) with (database or file)))) and "707"/\$.ccls.	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/15 16:43
S24	102	((index or indexing) with (database or file)) and ((search\$3 or quer\$4) with (indexed or modified or categorized) with (database or file))) and (((index or indexing) with (database or file)) same ((search\$3 or quer\$4) with (indexed or modified or categorized) with (database or file)))) and "707"/\$.ccls.) and interface	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/15 18:02

S25	1	(((((index or indexing) with (database or file)) and ((search\$3 or quer\$4) with (indexed or modified or categorized) with (database or file))) and (((index or indexing) with (database or file)) same ((search\$3 or quer\$4) with (indexed or modified or categorized) with (database or file)))) and "707"/\$.ccls.) and interface) and ((remov\$3 or delet\$3) with (metatag or metadata or (meta adj (tag or data))))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/17 04:21
S26	0	((serach\$3 near3 engine) same (database or file) same index\$3) and ((remov\$3 or delet\$3) with (metatag or metadata or (meta adj (tag or data))))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/17 04:22
S27	21	((search\$3 near3 engine) same (database or file) same index\$3) and ((remov\$3 or delet\$3) with (metatag or metadata or (meta adj (tag or data))))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/17 13:29
S28	80	((search\$3 or quer\$4) with (defin\$4 or limit\$3 or restrict\$4 or control\$3) with (database or file)) same ((user or client) near3 (profile or infomation or account))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/17 14:45
S29	147	instance with search\$3 with engine	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/17 14:46
S30	5	instance with search\$3 with engine with interface	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/17 15:05
S31	30	((web adj server) with (search\$3 or quer\$4)) and (HTTP with Java)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/17 15:41
S32	10	(search\$3 with engine) same (interface with Java)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2002/11/17 15:44
S33	10778	(search\$3 or quer\$4).ab. and (@ad<"20010104")	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/04/07 09:33
S34	116	((search\$3 or quer\$4).ab. and (@ad<"20010104")) and ((control\$5 or limit\$3 or restrict\$3) with (user or client) with (search\$3 or quer\$5)).ab.	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/04/07 11:07

S35	2	((search\$3 or quer\$4).ab. and (@ad<"20010104")) and ((control\$5 or limit\$3 or restrict\$3) with (user or client) with (search\$3 or quer\$5)).ab.) and ((appl\$5 or add\$3) with (user or client or employee\$3) with (profile or information) with (search\$3 or quer\$5 or retriev\$5 or access\$3) with request)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/04/07 11:07
S36	5	((search\$3 or quer\$4).ab. and (@ad<"20010104")) and ((control\$5 or limit\$3 or restrict\$3) with (user or client) with (search\$3 or quer\$5)) and (((appl\$5 or add\$3) with (user or client or employee\$3) with (profile or information) with (search\$3 or quer\$5 or retriev\$5 or access\$3) with request) same (modif\$5 with (search\$3 or quer\$5 or retriev\$5 or access\$3) with request))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/04/07 11:13
S37	32	((search\$3 or quer\$4).ab. and (@ad<"20010104")) and ((control\$5 or limit\$3 or restrict\$3) with (user or client) with (search\$3 or quer\$5)) and ((appl\$5 or add\$3) with (user or client or employee\$3) with (profile or information) with (search\$3 or quer\$5 or retriev\$5 or access\$3) with request)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/04/07 10:02
S38	42	((search\$3 or quer\$4).ab. and (@ad<"20010104")) and ((appl\$5 or add\$3) with (user or client or employee\$3) with (profile or information) with (search\$3 or quer\$5 or retriev\$5 or access\$3) with request)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/04/07 10:06

S39	10	((search\$3 or quer\$4).ab. and (@ad<"20010104")) and ((appl\$5 or add\$3) with (user or client or employee\$3) with (profile or information) with (search\$3 or quer\$5 or retriev\$5 or access\$3) with request)) not (((search\$3 or quer\$4).ab. and (@ad<"20010104")) and ((control\$5 or limit\$3 or restrict\$3) with (user or client) with (search\$3 or quer\$5)) and ((appl\$5 or add\$3) with (user or client or employee\$3) with (profile or information) with (search\$3 or quer\$5 or retriev\$5 or access\$3) with request))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/04/07 10:11
S40	1	"6366915".pn.	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/04/07 10:11
S41	123	((search\$3 or quer\$4).ab. and (@ad<"20010104")) and (modif\$5 with (search\$3 or quer\$5 or retriev\$5 or access\$3) with request)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/04/07 10:24
S42	14	((search\$3 or quer\$4).ab. and (@ad<"20010104")) and (modif\$5 with (search\$3 or quer\$5 or retriev\$5 or access\$3) with request).ab.	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/04/07 10:33
S43	104	((search\$3 or quer\$4).ab. and (@ad<"20010104")) and (modif\$5 with (search\$3 or quer\$5 or retriev\$5 or access\$3) with request) and ((user or client) with (profile or record or information))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/04/07 10:36
S44	27	((search\$3 or quer\$4).ab. and (@ad<"20010104")) and (modif\$5 with (search\$3 or quer\$5 or retriev\$5 or access\$3) with request) and ((add\$3 or appl\$5) with (user or client) with (profile or record or information))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/04/07 10:38
S45	2	(meta with (search\$3 or engine)).ab. and (@ad<"20010104") and ((appl\$5 or add\$3) with (user or client or employee\$3) with (profile or record or information) with (search\$3 or quer\$5 or retriev\$5 or access\$3) with request)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/04/07 11:02

S46	4	((search\$3 or quer\$4).ab. and (@ad<"20010104")) and ((control\$5 or limit\$3 or restrict\$3) with (user or client) with (search\$3 or quer\$5)).ab.) and ((appl\$5 or add\$3) with (user or client or employee\$3 or search\$3) with (profile or record or information) with (search\$3 or quer\$5 or retriev\$5 or access\$3) with request)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/04/07 11:11
S47	7	((search\$3 or quer\$4).ab. and (@ad<"20010104")) and ((control\$5 or limit\$3 or restrict\$3) with (user or client) with (search\$3 or quer\$5 or access\$3)) and (((appl\$5 or add\$3) with (user or client or employee\$3 or search\$3) with (profile or record or histroy or information) with (search\$3 or quer\$5 or retriev\$5 or access\$3) with request) same (modif\$5 with (search\$3 or quer\$5 or retriev\$5 or access\$3) with request))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/04/07 11:19
S48	214	((appl\$5 or add\$3) with (user or client or employee\$3 or search\$3) with (profile or record or histroy or information) with (search\$3 or quer\$5 or retriev\$5 or access\$3) with request) and (@ad<"20010104"))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/04/07 11:22

[illegible]

S51	1	"20030093409"	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/04/15 19:43
S52	91	((filter\$3 or restrict\$3) with (quer\$5 or search\$3 or retriev\$5)) and ((add\$3 or append\$3) with (profile or reference or preference) with (search\$3 or quer\$5)) and (@ad<"20010104")	US-PGPUB; USPAT; IBM_TDB	OR	ON	2003/09/04 18:23
S53	550	((add\$3 or insert\$3 or combin\$5 or append\$3 or concatenat\$3) with (user or client) with (profile or information or restrict\$3 or subscri\$9) with (search\$3 or quer\$5)) and (@ad<"20010104")	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/04/15 19:06
S54	304	((add\$3 or insert\$3 or combin\$5 or append\$5 or concatenat\$3) with (user or client) with (profile or information or restrict\$3 or subscri\$9) with (search\$3 or quer\$5)) and (@ad<"20010104") and ((limit\$5 or control\$5 or restrict\$5) with (access\$7 or availab\$9))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/04/15 19:09
S55	101	((add\$3 or insert\$3 or combin\$5 or append\$5 or concatenat\$3) with ((user or client) near3 (profile or information or restrict\$3 or subscri\$9)) with (search\$3 or quer\$5)) and (@ad<"20010104") and ((limit\$5 or control\$5 or restrict\$5) with (access\$7 or availab\$9)) and ("707"/\$.ccls. or "709"/\$.ccls. or "715"/\$.ccls. or "705"/\$.ccls.)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/04/15 21:03
S56	2	"200051031"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/15 19:44
S57	2	"200073876"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/15 19:45

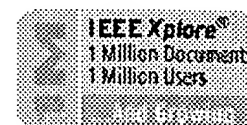
S58	9	((add\$3 or insert\$3 or combin\$5 or append\$5 or concatenat\$3) with ((user or client) near3 (profile or information or restrict\$3 or subscri\$9)) with (search\$3 or quer\$5)) and (@ad<"20010104") and ((limit\$5 or control\$5 or restrict\$5) with (access\$7 or availab\$9)) and ("707"/\$.ccls. or "709"/\$.ccls. or "715"/\$.ccls. or "705"/\$.ccls.) and (search\$3 with engine with index\$3)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/04/15 21:23
S59	7	((search\$3 adj engine) with index\$3) and ((remov\$3 or delet\$3) with (metatag or tag or (meta adj tag))) and (@ad<"20010104") and ((limit\$5 or control\$5 or restrict\$5) with (access\$7 or availab\$9)) and ("707"/\$.ccls. or "709"/\$.ccls. or "715"/\$.ccls. or "705"/\$.ccls.) and (search\$3 with engine with index\$3)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/04/15 21:26
S60	186	((add\$3 or modif\$5 or insert\$3) with (tag or label or (domain near3 name)) with (search\$3 or quer\$5)) and (@ad<"20010104")	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/02/09 20:06

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2 Algorithms for asynchronous parallel processing of object-oriented databases
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7 Compensator improvement program: new developments and results*Medina, E.A.; Duncan, M.A.; Mitchell, J.R.; Irwin, R.D.;*

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8 MDL learning of probabilistic neural networks for discrete problem domains*Tirri, H.; Myliymaki, P.;*

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9 A probabilistic approach to query processing in heterogeneous database systems*Shou-Cheng Tseng, F.; Chen, A.L.P.; Wei-Pang Yang;*

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Relevance scale ☐ ☐ ☐ ☐ ☐1 [The family of concurrent logic programming languages](#)

Ehud Shapiro

September 1989 **ACM Computing Surveys (CSUR)**, Volume 21 Issue 3Full text available: [pdf\(9.62 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Concurrent logic languages are high-level programming languages for parallel and distributed systems that offer a wide range of both known and novel concurrent programming techniques. Being logic programming languages, they preserve many advantages of the abstract logic programming model, including the logical reading of programs and computations, the convenience of representing data structures with logical terms and manipulating them using unification, and the amenability to metaprogrammin ...

2 [Parallel execution of prolog programs: a survey](#)

Gopal Gupta, Enrico Pontelli, Khayri A.M. Ali, Mats Carlsson, Manuel V. Hermenegildo

July 2001 **ACM Transactions on Programming Languages and Systems (TOPLAS)**,

Volume 23 Issue 4

Full text available: [pdf\(1.95 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Since the early days of logic programming, researchers in the field realized the potential for exploitation of parallelism present in the execution of logic programs. Their high-level nature, the presence of nondeterminism, and their referential transparency, among other characteristics, make logic programs interesting candidates for obtaining speedups through parallel execution. At the same time, the fact that the typical applications of logic programming frequently involve irregular computatio ...

Keywords: Automatic parallelization, constraint programming, logic programming, parallelism, prolog

3 [TIMBER: A native XML database](#)

H. V. Jagadish, S. Al-Khalifa, A. Chapman, L. V. S. Lakshmanan, A. Nierman, S. Paparizos, J. M. Patel, D. Srivastava, N. Wiwatwattana, Y. Wu, C. Yu

December 2002 **The VLDB Journal — The International Journal on Very Large Data****Bases**, Volume 11 Issue 4Full text available: [pdf\(266.39 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

This paper describes the overall design and architecture of the Timber XML database system currently being implemented at the University of Michigan. The system is based upon a bulk algebra for manipulating trees, and natively stores XML. New access methods

have been developed to evaluate queries in the XML context, and new cost estimation and query optimization techniques have also been developed. We present performance numbers to support some of our design decisions. We believe that the key in ...

Keywords: Algebra, Document management, Hierarchical, Query processing, Semi-structured

4 Incremental validation of XML documents

Andrey Balmin, Yannis Papakonstantinou, Victor Vianu

January 2004 **ACM Transactions on Database Systems (TODS)**, Volume 29 Issue 4

Full text available:  pdf(676.95 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We investigate the incremental validation of XML documents with respect to DTDs, specialized DTDs, and XML Schemas, under updates consisting of element tag renamings, insertions, and deletions. DTDs are modeled as extended context-free grammars. "Specialized DTDs" allow the decoupling of element types from element tags. XML Schemas are abstracted as specialized DTDs with limitations on the type assignment. For DTDs and XML Schemas, we exhibit an $O(m \log n)$ incremental valida ...

Keywords: Update, XML, validation

5 Path sharing and predicate evaluation for high-performance XML filtering

Yanlei Diao, Mehmet Altinel, Michael J. Franklin, Hao Zhang, Peter Fischer

December 2003 **ACM Transactions on Database Systems (TODS)**, Volume 28 Issue 4

Full text available:  pdf(543.40 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

XML filtering systems aim to provide fast, on-the-fly matching of XML-encoded data to large numbers of query specifications containing constraints on both structure and content. It is now well accepted that approaches using event-based parsing and Finite State Machines (FSMs) can provide the basis for highly scalable structure-oriented XML filtering systems. The XFilter system [Altinel and Franklin 2000] was the first published FSM-based XML filtering approach. XFilter used a separate FSM per pa ...

Keywords: Nondeterministic Finite Automaton, XML filtering, content-based matching, nested path expressions., path sharing, predicate evaluation, structure matching

6 Data-Driven and Demand-Driven Computer Architecture

Philip C. Treleaven, David R. Brownbridge, Richard P. Hopkins

January 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 1

Full text available:  pdf(4.14 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

7 Archiving scientific data

Peter Buneman, Sanjeev Khanna, Keishi Tajima, Wang-Chiew Tan

March 2004 **ACM Transactions on Database Systems (TODS)**, Volume 29 Issue 1


Full text available:  pdf(745.61 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Archiving is important for scientific data, where it is necessary to record all past versions of a database in order to verify findings based upon a specific version. Much scientific data is held in a hierarchical format and has a key structure that provides a canonical identification for each element of the hierarchy. In this article, we exploit these properties to develop an archiving technique that is both efficient in its use of space and preserves the continuity of elements through versions ...

Keywords: Keys for XML

8 Physical interface: TAG: a Tiny AGgregation service for ad-hoc sensor networks


Samuel Madden, Michael J. Franklin, Joseph M. Hellerstein, Wei Hong

December 2002 **ACM SIGOPS Operating Systems Review**, Volume 36 Issue SIFull text available:  [pdf\(2.19 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

We present the Tiny AGgregation (TAG) service for aggregation in low-power, distributed, wireless environments. TAG allows users to express simple, declarative queries and have them distributed and executed efficiently in networks of low-power, wireless sensors. We discuss various generic properties of aggregates, and show how those properties affect the performance of our in network approach. We include a performance study demonstrating the advantages of our approach over traditional centralize ...

9 PARLOG: parallel programming in logic

Keith Clark, Steve Gregory

January 1986 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 8 Issue 1Full text available:  [pdf\(3.79 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

PARLOG is a logic programming language in the sense that nearly every definition and query can be read as a sentence of predicate logic. It differs from PROLOG in incorporating parallel modes of evaluation. For reasons of efficient implementation, it distinguishes and separates and-parallel and or-parallel evaluation. PARLOG relations are divided into two types: single-solution relations and all-solutions relations. A conjunction of single-solution relation calls can be evaluated ...

10 Supporting valid-time indeterminacy

Curtis E. Dyreson, Richard T. Snodgrass


March 1998 **ACM Transactions on Database Systems (TODS)**, Volume 23 Issue 1Full text available:  [pdf\(516.09 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In valid-time indeterminacy it is known that an event stored in a database did in fact occur, but it is not known exactly when. In this paper we extend the SQL data model and query language to support valid-time indeterminacy. We represent the occurrence time of an event with a set of possible instants, delimiting when the event might have occurred, and a probability distribution over that set. We also describe query language constructs to retrieve informat ...

Keywords: SQL, TSQL2, incomplete information, indeterminacy, probabilistic information, temporal database, valid-time database

11 Technique for automatically correcting words in text

Karen Kukich

December 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 4Full text available:  [pdf\(6.23 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Research aimed at correcting words in text has focused on three progressively more difficult problems: (1) nonword error detection; (2) isolated-word error correction; and (3) context-dependent word correction. In response to the first problem, efficient pattern-matching and n-gram analysis techniques have been developed for detecting strings that do not appear in a given word list. In response to the second problem, a variety of general and application-specific spelling cor ...


Keywords: n-gram analysis, Optical Character Recognition (OCR), context-dependent spelling correction, grammar checking, natural-language-processing models, neural net

classifiers, spell checking, spelling error detection, spelling error patterns, statistical-language models, word recognition and correction

12 [A new representation for linear lists](#)

Leo J. Guibas, Edward M. McCreight, Michael F. Plass, Janet R. Roberts

May 1977 **Proceedings of the ninth annual ACM symposium on Theory of computing**

Full text available:  pdf(831.46 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


We present a new data structure for maintaining a set of records in a linear list according to their key values. This data structure has the property that we can keep a number of fingers at points of interest in the key space (e.g., the beginning or the end of the list), so that access and modification in the neighborhood of a finger is very efficient. In the Section 2 we discuss the general structure of our B-tree. Since we propose to search the tree from a leaf ...

13 [A framework for modeling and implementing visual notations with applications to software engineering](#)

Gennaro Costagliola, Vincenzo Deufemia, Giuseppe Polese

October 2004 **ACM Transactions on Software Engineering and Methodology (TOSEM)**,

Volume 13 Issue 4

Full text available:  pdf(3.77 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


We present a framework for modeling visual notations and for generating the corresponding visual programming environments. The framework can be used for modeling the diagrammatic notations of software development methodologies, and to generate visual programming environments with CASE tools functionalities. This is accomplished through an underlying modeling process based on the visual notation syntactic model of eXtended Positional Grammars (XPG, for short), and the associated parsing methodolo ...

Keywords: LR parsing, UML, meta-CASE, metamodeling, software engineering models, visual grammars, visual notations

14 [A relation-based language interpreter for a content addressable file store](#)

T. R. Addis

June 1982 **ACM Transactions on Database Systems (TODS)**, Volume 7 Issue 2

Full text available:  pdf(2.50 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


The combination of the Content Addressable File Store (CAFS®; CAFS is a registered trademark of International Computers Limited) and an extension of relational analysis is described. This combination allows a simple and compact implementation of a database query and update language (FIDL). The language has one of the important properties of a "natural" language interface by using a "world model" derived from the relational analysis. The interpreter (FLIN) takes f ...

Keywords: content addressing

15 [Research session: data warehousing and archive: Archiving scientific data](#)

Peter Buneman, Sanjeev Khanna, Keishi Tajima, Wang-Chiew Tan

June 2002 **Proceedings of the 2002 ACM SIGMOD international conference on Management of data**

Full text available:  pdf(1.27 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


We present an archiving technique for hierarchical data with key structure. Our approach is based on the notion of timestamps whereby an element appearing in multiple versions of

the database is stored only once along with a compact description of versions in which it appears. The basic idea of timestamping was discovered by Driscoll *et. al.* in the context of persistent data structures where one wishes to track the sequences of changes made to a data structure. We extend this idea to deve ...

16 Hierarchical triangulation for multiresolution surface description

Leila De Floriani, Enrico Puppo

October 1995 **ACM Transactions on Graphics (TOG)**, Volume 14 Issue 4

Full text available:  pdf(3.89 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A new hierarchical triangle-based model for representing surfaces over sampled data is proposed, which is based on the subdivision of the surface domain into nested triangulations, called a hierarchical triangulation (HT). The model allows compression of spatial data and representation of a surface at successively finer degrees of resolution. An HT is a collection of triangulations organized in a tree, where each node, except for the root, is a triangulation refining a face ...

Keywords: hierarchical subdivision, multiresolution surface model, terrain model, triangulation

17 Accelerating XPath evaluation in any RDBMS

Torsten Grust, Maurice Van Keulen, Jens Teubner

March 2004 **ACM Transactions on Database Systems (TODS)**, Volume 29 Issue 1

Full text available:  pdf(781.01 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


This article is a proposal for a database index structure, the *XPath accelerator*, that has been specifically designed to support the evaluation of XPath path expressions. As such, the index is capable to support *all* XPath axes (including ancestor, following, preceding-sibling, descendant-or-self, etc.). This feature lets the index stand out among related work on XML indexing structures which had a focus on the child and descendant axes only. The index has been designed with a close ...

Keywords: Main-memory databases, XML, XML indexing, XPath

18 A structural view of the Cedar programming environment

Daniel C. Swinehart, Polle T. Zellweger, Richard J. Beach, Robert B. Hagmann

August 1986 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 8 Issue 4

Full text available:  pdf(6.32 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents an overview of the Cedar programming environment, focusing on its overall structure—that is, the major components of Cedar and the way they are organized. Cedar supports the development of programs written in a single programming language, also called Cedar. Its primary purpose is to increase the productivity of programmers whose activities include experimental programming and the development of prototype software systems for a high-performance personal computer. T ...

19 An architecture for secure wide-area service discovery

Todd D. Hodes, Steven E. Czerwinski, Ben Y. Zhao, Anthony D. Joseph, Randy H. Katz

March 2002 **Wireless Networks**, Volume 8 Issue 2/3

Full text available:  pdf(365.68 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The widespread deployment of inexpensive communications technology, computational resources in the networking infrastructure, and network-enabled end devices poses an interesting problem for end users: how to locate a particular network service or device out of hundreds of thousands of accessible services and devices. This paper presents the


architecture and implementation of a secure wide-area Service Discovery Service (SDS).
Service providers use the SDS to advertise descriptions of available ...

Keywords: location services, name lookup, network protocols, service discovery

20 Paradigms for process interaction in distributed programs

Gregory R. Andrews

March 1991 **ACM Computing Surveys (CSUR)**, Volume 23 Issue 1

Full text available:  pdf(3.77 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Distributed computations are concurrent programs in which processes communicate by message passing. Such programs typically execute on network architectures such as networks of workstations or distributed memory parallel machines (i.e., multicomputers such as hypercubes). Several paradigms—examples or models—for process interaction in distributed computations are described. These include networks of filters, clients, and servers, heartbeat algorithms, probe/echo algorithms, broa ...

Keywords: clients and servers, distributed and parallel algorithms, distributed programming, distributed programming methods, heartbeat algorithms, networks of filters, patterns for interprocess communication, probe/echo algorithms, replicated servers, token-passing algorithms

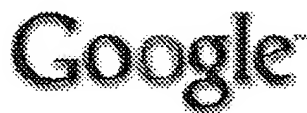
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(tag OR domain) search request add OR n

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CentralNic: Modifying a Domain

... Please use the form below to **search** for your **domain** name, and then submit a modification **request** advising us of the new hosting company/ISP's contact details ...

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... for e-sitehost.com to provide your web hosting and email services: (You must **add** all 4 ... Only after this step will your **request** for **domain** modification take ...

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Calpain 3 Domain II Insert 1 Antibody Search - Biocompare

... 3 **Domain II Insert 1**" by refining your antibody **search** criteria in the Antibody **Search** box below. Antibodies. compare checked products **request** information on ...

[www.biocompare.com/matrixsc/3194/2/6/10896/Calpain+3+Domain+II+\(Insert+%231\).html](#) - 43k - [Cached](#) - [Similar pages](#)

The request to modify a domain name (ie change the domain name ...

... The **request** to **modify** a **domain** name (ie change the **domain** name from [www.your-company.com](#) to [www.yourname.com](#)) is considered to all effects to be a renunciation ...

[www.netregister.biz/modificacom.htm](#) - 11k - [Cached](#) - [Similar pages](#)

domain hosting Plans

... DATABASE FEATURES, ODBC per **domain**, 2, 2. ... Free For all Links, On **Request**, On **Request**. Simple Site **Search**, On **Request**, On **Request**. Graphics Counter, Yes, Yes. ...

[www.globalnetpromotions.com/web_hosting_plans.htm](#) - 84k - [Cached](#) - [Similar pages](#)

The nslookup Manual Page

... lookup **request** contains at least one period but doesn't end with a trailing period, **append** the **domain** names in the **domain search** list to the **request** until an ...

[www.stopspace.org/usernet/rnmf/man/nslookup.html](#) - 20k - [Cached](#) - [Similar pages](#)

How can I modify the owner details of my domain?

... You need to send your **request** in by post on your headed paper. You must include the **domain** name you wish to **modify** the owner details, your name, your telivo ...

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brianstorms weblog: Taggle

... if more and more services in 2005 **add** user-generated tagging, will "federated ... us, and umpteen other sites cooperated, then an uber-tag-search service might ...

[www.brianstorms.com/archives/000503.html](#) - 19k - [Cached](#) - [Similar pages](#)

[thesite] request for google blocking meta tag in archive post

... Next message: [thesite] **request** for google blocking meta **tag** ... or not the "nocache" meta **tag** should be ... affecting people: < [http://google.com/search?q=allintitle](#) ...

[lists.evoit.org/thesitearchive/2003-February/005619.html](#) - 7k - [Cached](#) - [Similar pages](#)

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... **Request** that **search** terms be adjacent, but in any ... Follow these easy steps to set up an Alert in the **Domain** Names database. ©2003 Dialog GSM-03-50015 ...

[support.dialog.com/searchaids/dialog/pdf/qrc_domainnames_dialog.pdf](#) - [Similar pages](#)

Delaware.Net - Web Design, Intranets, IT Support, Web Hosting ...

... If you need to **search** for a new **domain** name, you ... mail client to accept mail from your **domain** name ... whenever you need to submit a support **request**, **add** new services ... www.delaware.net/support/gettingstarted.cfm - 16k - Feb 9, 2005 - **Cached** - [Similar pages](#)

Domain Search - Register Domain Name - Domain Name Registration

... That form is available upon **request** from our support staff ... For high volume customers, you can even **search** for a certain name from your list of **domain** names! ...
www.domainbank.net/HelpDesk/faq_assist.cfm - 20k - Feb 8, 2005 - [Cached](#) - [Similar pages](#)

Domain Search - Register Domain Name - Domain Name Registration

... Claim or trademark dispute proceeding on a particular **domain** name pre-registration request or **domain** ... **Domain Name Registration, Domain Name Search and New ...**
www.domainbank.net/inquiry/ussunrisefaq.cfm - 13k - [Cached](#) - [Similar pages](#)

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Domain Status Codes proposed by ICANN

... Registrar requests to **modify** or otherwise update the **domain** will be ... within 7 calendar days to confirm the restoration **request**, the **domain** will revert to ...

[www.unpicked.com/links/ domain-names/domain-status-codes.asp](http://www.unpicked.com/links/domain-names/domain-status-codes.asp) - 27k - Cached - Similar pages

The Jukebox - ASU Google Search

... **search** engine for the **asu.edu** **domain** and **www** ... can include a "robots" NOARCHIVE meta tag (eg, <META ... ASU Webmaster, please submit the "search request" form being ... www.asu.edu/jukebox/search/ - 19k - [Cached](#) - [Similar pages](#)

Adding Domain Search to IE5

... they want to use to execute the **search request**. ... Server JavaScript but before the closing </SCRIPT> **tag**. ... we assume that Domino R5 **Domain Search** is running on a ...
www-10.lotus.com/ldd/today.nsf/0/11a0d0aa5668dd27652568b600464722?OpenDocument - 45k - [Cached](#) - [Similar pages](#)

Add your site to our link pages - Active-Domain.com

... and increasing your traffic from the **search** engines as ... Active-Domain welcomes submission of your site to our links ... your web site first before you **request** to be ...
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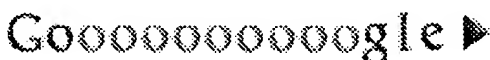
... as long as your site is within the duke.edu domain. ... in the past and you add the meta tag, it will ... Get the Duke Google Search Appliance standard stylesheet here ...
www.oit.duke.edu/cws/google.html - 25k - Cached - Similar pages

Search Engine Submission - Meta Tag Code Chart

To **request** a FREE price quote for your required services ... copyright" content="your statement"> Use this meta **tag** to let other viewers and **search** engines know ...
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... Most of the songs featured on Lyrics **Domain** were sent ... a specific song is by using our **search lyrics** page ... Lyrics Forum - **request** lyrics, post comments If you can ... www.lyricsdomain.com/ - 9k - Feb 6, 2005 - **Cached** - **Similar pages**



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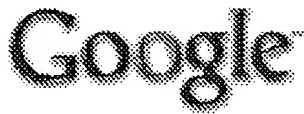


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(tag OR domain) search request (restrict OR limit) add OR modify OR insert OR
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Web Results 1 - 20 of about **1,270,000** for **(tag OR domain) search request (restrict OR limit) add OR modify OR insert OR**

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... as long as your site is within the duke.edu **domain**. ... in the past and you **add** the meta **tag**, it will ... Get the Duke Google **Search** Appliance standard stylesheet here ...

www.oit.duke.edu/ows/google.html - 25k - [Cached](#) - [Similar pages](#)

[brianstorms weblog: Taggle](#)

... PM. Well, **limit** who can **add** tags, perhaps. ... AM. I certainly would like such a **search** engine. 2005 is going to be the year of the **tag**. ...

www.brianstorms.com/archives/000503.html - 19k - [Cached](#) - [Similar pages](#)

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... **Domain** Name with TLD ET= s ET=piper.com Fields are indexed to allow flexible searching depend- ing on need ... **Request** that **search** terms be adjacent and in ...

support.dialog.com/searchaids/dialog/pdf/qrc_domainnames_dialog.pdf - [Similar pages](#)

[WHOIS Search Help](#)

... **domain** name> Searches for matches by the **domain**-portion of ... To **search** on an individual's name, you may enter the last name, or to further **restrict** results, use ...

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[Google Search Appliance Documentation: Using the as_q and as_oq ...](#)

... If you think you are eligible and want to define a subcollection, enter a HelpSU **request**. ... **Add** the following line to the **search** <form> **tag** in your web page: ...

www.stanford.edu/services/websearch/Google/asq_documentation.html - 19k - [Cached](#) - [Similar pages](#)

[Google Search Appliance: Information and Instructions for Web Site ...](#)

... and all its sub-directories) as the **domain** to be ... the **search** administrator; a noindex <meta> **tag** in the ... Crawling schedule The **search** appliance has initially been ...

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[The Code Project - OmniSearch \(Google Caching Engine\) - C# ...](#)

... **add** key="GoogleSafeSearch" value="False" /> <! **Domain** to **search** ... object sender, System.EventArgs e) { **search** = new SiteSearch(Request.QueryString["**search** ...

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[Earlier Clients May Fail to Change Passwords or Join in a Windows ...](#)

... Windows 2000 primary **domain** controller (PDC) emulator for that **domain**. ... the PDC emulator does not service the **request** within 5 seconds, it must **search** for the ...

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[How to view and set LDAP policy in Active Directory by using ...](#)

... The maximum size of a datagram **request** that a ... When this **limit** is reached, the **domain** controller returns a ... has, or of how many objects were in the **search** result ...

support.microsoft.com/default.aspx?scid=kb;en-us;315071&sd=tech - 21k - [Cached](#) - [Similar pages](#)

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[Domain Search - Register Domain Name - Domain Name Registration](#)

... The customer will **search** for the name and complete the ... contacts, you will not be able to **request** changes for ... I change the branding on my **Domain** Bank affiliate ...

www.domainbank.net/affiliate_faq.cfm - 16k - Feb 8, 2005 - Cached - Similar pages

Searching Your Pages

... service that covers all web servers in the uky.edu **domain**. ... You can use the Robots meta **tag** in a specific ... When a **search request** is entered by a user the word or ...

www.uky.edu/Providers/searching-oid.html - 11k - Cached - Similar pages

Penn State Search Engine Information

... page you can use the following Robots Meta **tag** between the ... from all hosts in the its.psu.edu **domain** such as ... Contact **search@psu.edu** to **request** the creation of a ...

aset.its.psu.edu/googledocs/instructions.html - 18k - Cached - Similar pages

Penn State Search Engine FAQ

... The following is a list of **META tag** resources ... To be indexed by the Penn State **search** engine your pages must ... a Penn State Web server in the **psu.edu domain**; be on ...

aset.its.psu.edu/googledocs/searchfaq.html - 27k - Feb 8, 2005 - Cached - Similar pages

Centralized and Distributed Searching

... through a web of interlinked, related, **domain** specific indexes ... A **META request** specifies the URI of the collection ... server performing part of the **search**, and we ...

www.hypernews.org/~liberte/www/searching/distrib-position.html - 6k - Cached - Similar pages

DeZines Web Hosting: NT Add-Ons

... with the NT-EXPERT Account, just **request** it's activation ... yourdomain.com (unlimited sub-**domain** names) Enable ... registering multiple addresses to **Search** Engines to ...

www.web-hosting.com/nt/ntadd-ons.html - 35k - Cached - Similar pages

Implementing Document Classification

... about cars, an option could be provided to **limit a search** ... the document (for example, as a **META tag** in an ... the index, it can easily be added to a **search request**. ...

support.dtsearch.com/faq/dis0179.htm - 16k - Cached - Similar pages

WWWCoder : : Articles/Tutorials : Javascript

... in Internet Explorer by Microsoft, a lot of cross **domain** functionality has ... ASP
Alliancel have seen a few **request** from others who are ... Save **Search** Results as RSS. ...

www.wwwcoder.com/main/Default.aspx?tabid=68&parentID=37&action= - 53k - Cached - Similar pages

SitePoint Forums - Apache: **Request exceeded the limit of 10 ...**

... can't go wrong with features like: Multi Domain Web Hosting; ... 47:59 2005] [error]
[client 192.168.2.101] Request exceeded the ... Thread Tools, **Search** this Thread. ...

www.sitepoint.com/forums/showthread.php?t=228172&goto=nextoldest-40k-Cached-Similar-pages

Macromedia - ColdFusion LiveDocs : Enhancing the Trip Maintenance ...

... The navigation action page must limit the result set ... form a URL to navigate to using the cflocation tag. ... The search request is accomplished by linking the Trip ...

livedocs.macromedia.com/.../implement_browse_maintenance2.htm - 31k - Feb 9, 2005 - Cached - Similar pages

psa-request FAQ

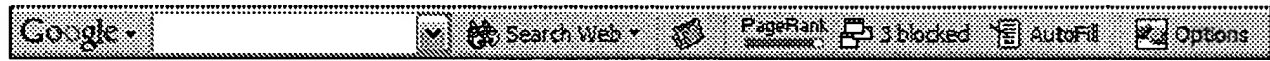
... you can try our profile library **search** tool; many ... on statistics gathered from single-**domain** structures exhibiting ... short sequence to the psa-**request** server, you ...

bmrcr-www.bu.edu/psa/faq.htm - 22k - Cached - Similar pages

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Set	Items	Description
S1	25	AU=(WEIL, F? OR WEIL F? OR BOGGS, C? OR BOGGS C?)
File 347:	JAPIO	Nov 1976-2003/Dec(Updated 040402)
	(c)	2004 JPO & JAPIO
File 348:	EUROPEAN PATENTS	1978-2004/Apr W01
	(c)	2004 European Patent Office
File 349:	PCT.FULLTEXT	1979-2002/UB=20040408,UT=20040401
	(c)	2004 WIPO/Univentio
File 350:	Derwent WPIX	1963-2004/UD,UM &UP=200422
	(c)	2004 Thomson Derwent

1/5/11 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00336610 **Image available**

CONTAINER WITH AN OPENING INCLUDING AN AIRTIGHT CLOSURE ELEMENT FOR
PACKAGING A PRODUCT TO BE PRESERVATION PROCESSED AT HIGH PRESSURE
RECIPIENT PRESENTANT UNE OUVERTURE MUNIE D'UN ELEMENT DE FERMETURE
HERMETIQUE POUR LE CONDITIONNEMENT D'UN PRODUIT DESTINE A ETRE SOUMIS A
UN TRAITEMENT DE CONSERVATION SOUS HAUTE PRESSION

Patent Applicant/Assignee:

BATTELLE FRANCE S A R L,
BRIFFA Denise,
DELSAHUT Alain,
MARTIN Claude,
WEIL Francois,

Inventor(s):

BRIFFA Denise,
DELSAHUT Alain,
MARTIN Claude,

WEIL Francois

Patent and Priority Information (Country, Number, Date):

Patent: WO 9619122 A1 19960627

Application: WO 95EP5062 19951218 (PCT/WO EP9505062)

Priority Application: FR 9415371 19941219

Designated States: JP US AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Main International Patent Class: A23L-003/015

International Patent Class: B65D-81:24

Publication Language: French

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 2216

English Abstract

Container for perishable food products preservation processed at high isostatic pressure. An inner container (1) with flange (2) is placed inside an outer container (3) also comprising a flange (4). Both containers (1, 3) are closed by simultaneous heat sealing with the same foil lid (5). The bottom (6) of the outer container (3) is pierced (7) for the passage of the high pressure processing liquid. The inner container (1) has a wall with a thickness gradient enabling the bottom, which is thinner than the lateral walls, to be deformed during processing at high pressure and then to adopt its initial shape.

French Abstract

Ce recipient est destine a une denree perissable destinee a etre soumise a un traitement de conservation sous haute pression isostatique. A cet effet, un recipient interieur (1) muni d'une collerette (2) est place dans un recipient exterieur (3) muni d'une collerette (4). Les deux recipients (1, 3) sont fermes par un meme opercule (5) fixe par thermosoudage simultane. Le fond (6) du recipient exterieur (3) est perfore (7) pour permettre le passage du liquide de traitement sous haute pression. Le recipient interieur (1) presente une paroi avec un gradient d'epaisseur qui permet au fond plus mince que les parois laterales de se deformer lors du traitement sous haute pression et de reprendre ensuite sa forme initiale.

1/5/12 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015838958 **Image available**

WPI Acc No: 2003-901162/200382

XRPX Acc No: N03-719507

Inter-sharable content object navigation method for providing on-line

education, involves displaying previous or next sharable object content,
if current content is exited at beginning or at end

Patent Assignee: HEDDINGS J A (HEDD-I); SCHOETTGER C A (SCHO-I); WEIL F L
(WEIL-I)

Inventor: HEDDINGS J A; SCHOETTGER C A; WEIL F L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030208604	A1	20031106	US 2002137901	A	20020501	200382 B

Priority Applications (No Type Date): US 2002137901 A 20020501

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030208604	A1		11	G06F-015/16	

Abstract (Basic): US 20030208604 A1

NOVELTY - The sharable content object reference model (SCORM) having sharable content objects (SCOs), is retrieved from a memory. The retrieved SCOs are displayed and it is determined whether the current SCO is exited at the beginning or at the end, based on which the previous SCO or next SCO is displayed. If the SCO is exited at the middle, the previous portion of same SCO is displayed.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) article of manufacture comprising computer readable medium storing inter-SCO navigation process; and

(2) inter-SCO navigating apparatus.

USE - For navigating inter-SCO for providing on-line education and also for providing electronic games.

ADVANTAGE - Allows users to easily navigate the inter- sharable content object.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart explaining the inter-SCO navigation process.

pp; 11 DwgNo 4/4

Title Terms: INTER; CONTENT; OBJECT; NAVIGATION; METHOD; LINE; EDUCATION;

DISPLAY; OBJECT; CONTENT; CURRENT; CONTENT; EXIT; BEGIN; END

Derwent Class: T01; W04

International Patent Class (Main): G06F-015/16

File Segment: EPI

1/5/13 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015514669 **Image available**

WPI Acc No: 2003-576816/200354

XRPX Acc No: N03-458506

Content files access control method e.g. for education data, audio data, involves modifying search request received from client, based on information pertaining to client, in search profile of client

Patent Assignee: BOGGS C K (BOGG-I); WEIL F L (WEIL-I)

Inventor: BOGGS C K ; WEIL F L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030093409	A1	20030515	US 2001754155	A	20010104	200354 B

Priority Applications (No Type Date): US 2001754155 A 20010104

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030093409	A1		10	G06F-007/00	

Abstract (Basic): US 20030093409 A1

NOVELTY - A search request (210) received from a client, is modified based on the information stored in a search profile (214) corresponding to the client. The modified search request (220) is

transmitted to a search engine. The search results (230) are processed and provided as standardized search results (240), to the client.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) method for restricting direct access to content files;
- (2) web server; and
- (3) content files access control program.

USE - For controlling access to content files such as education data, audio, video, pictures, public information, minimal and high-level security information through Internet, during information search by client.

ADVANTAGE - Enables to effectively control accessing of content files by clients, based on stored clients profile or account information, in a simple and cost-effective manner.

DESCRIPTION OF DRAWING(S) - The figure shows the flow diagram of the content files access control process.

search request (210)
search profile (214)
modified search request (220)
search results (230)
standardized search results (240)
pp; 10 DwgNo 2/3

Title Terms: CONTENT; FILE; ACCESS; CONTROL; METHOD; EDUCATION; DATA; AUDIO

; DATA; MODIFIED; SEARCH; REQUEST; RECEIVE; CLIENT; BASED; INFORMATION;

PERTAIN; CLIENT; SEARCH; PROFILE; CLIENT

Derwent Class: T01; W01

International Patent Class (Main): G06F-007/00

File Segment: EPI

1/5/14 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014795921 **Image available**

WPI Acc No: 2002-616627/200266

XRPX Acc No: N02-487880

Fluid atomizer has rotary nozzle which discharges spiral atomized spray upon passage of pressure fluid traveling through multiple diagonal channels formed in head of nozzle

Patent Assignee: BOGGS C F (BOGG-I)

Inventor: BOGGS C F

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6415994	B1	20020709	US 2000650232	A	20000829	200266 B

Priority Applications (No Type Date): US 2000650232 A 20000829

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6415994	B1	17	B05B-001/34		

Abstract (Basic): US 6415994 B1

NOVELTY - A check valve assembly has a spring (82) and a ball (84) which controls the fluid flow from an inlet (76) to an outlet (70). A spiral atomized spray is discharged by a rotary nozzle (86) within the atomizer upon the passage of pressure fluid traveling through multiple diagonal channels (94) formed in the head (78) of the nozzle.

DETAILED DESCRIPTION - The atomizer (28) has first and second housings (90,92) joined together by threads (103,108), and connected to a central conduit (80) where fluid flows.

USE - For use in e.g. engine.

ADVANTAGE - Provides a fluid atomizer which can be used with an emergency cooling and refilling system which detects when temperature in a vehicle's cooling system rises above a selected level and automatically activates atomized spray over the face of the radiator to prevent the engine from overheating, thus allowing the operator to

Set	Items	Description
S1	466781	SEARCH? OR PURSU? OR SEEK? OR QUER? OR MATCH? OR FIND? OR - LOOK?
S2	4138854	RECEIV? OR ACCEPT? OR ADMIT? OR TAKE()IN OR RETRIEV? OR OB- TAIN?
S3	2887236	CLIENT? OR USER? OR VISITOR? OR SUBSCRIBER? OR MEMBER? OR - WORKSTATION OR WORK()STATION? OR NODE? OR TERMINAL? OR PROCES- SOR
S4	3807199	CREATE? OR GENERATE? OR PRODUCE? OR DEVELOP? ? OR ORIGINAT- E? OR MAKE?
S5	2163745	MODIF? OR UPDAT? OR CHANG? OR EDIT? OR REVIS? OR REVAMP? OR REWORK? OR ALTER? OR UP() (DATING OR DATE? ?)
S6	8082639	APPLY? OR APPLIES OR EMPLOY? OR IMPLEMENT? OR USE OR USES - OR UTILIZE? OR CARRY()OUT OR EXECUT? OR PRACTICE?
S7	6616	S1 (2N) (PROFILE? OR HISTORY? OR RECORD? OR (INDIVIDUAL OR - PERSONAL) () SPECIFICATION?)
S8	9216	S3 (2N) (PROFILE? OR HISTORY? OR RECORD OR (INDIVIDUAL OR P- ERSONAL) () SPECIFICATION?) 'OR ACCOUNT()'INFORMATION
S9	7760160	ADDING OR ADD OR ADDS OR INSERT? OR COMBIN? OR INCLUDE? OR UNITE? OR CONNECT? OR JOIN?
S10	2735080	SPECIF? OR DESIGNAT? OR DETERMIN? OR DENOT? OR POINT()OUT - OR APPOINT? OR ASSIGN? OR NOMINAT? OR STIPULAT? OR DECID? OR - SINGLE()OUT
S11	2720103	SET OR SETS OR GROUP? OR COLLECTION? OR CATEGOR? OR CLASS? ?
S12	22165	SEARCH()ENGINE? OR WEB()SEARCH()SITE? OR DIRECTOR? OR WEB(-)SITE?
S13	330	S1 AND S5 AND S7 AND S3
S14	21	S13 AND S12
S15	7	S14 AND S8
S16	21971	S4 AND S5 AND S1
S17	10	S16 AND S6 AND S7 AND S8
S18	88	S16 AND S6 AND S7 AND S3
S19	3	S9 AND S7 AND S1 AND (S10 (3N) S11) AND S12
S20	4	S6 AND S7 AND S1 AND (S10 (3N) S11) AND S12
S21	5	S18 AND S12
S22	10	S18 AND S8
S23	34	'S14 OR S15 OR S17 OR S19 OR S20 OR S21 OR S22
S24	23	S23 AND IC=G06F?

File 347:JAPIO Nov 1976-2003/Dec(Updated 040402)

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File 350:Derwent WPIX 1963-2004/UD,UM &UP=200422

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24/5/1 (Item 1 from file: 347)
DIALOG(R) File 347:JAPIO
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01595556 **Image available**
FILE CONTROL SYSTEM FOR HISTORY INFORMATION

PUB. NO.: 60-074056 [JP 60074056 A]
PUBLISHED: April 26, 1985 (19850426)
INVENTOR(s): TADENUMA TAKASHI
MUKAI SHIYUGO
NAGANO HIRONOBU
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP
(Japan)
NIPPON TELEGR & TELEPH CORP <NTT> [000422] (A Japanese
Company or Corporation), JP (Japan)
APPL. NO.: 58-182326 [JP 83182326]
FILED: September 30, 1983 (19830930)
INTL CLASS: [4] G06F-012/00 ; G06F-009/06 ; G06F-011/34
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 45.1
(INFORMATION PROCESSING -- Arithmetic Sequence Units)
JOURNAL: Section: P, Section No. 384, Vol. 09, No. 214, Pg. 96, August
31, 1985 (19850831)

ABSTRACT

PURPOSE: To eliminate the need for the **update** source text extraction processing by a compiler, and to shorten a compiling processing time by controlling individually, a source text and history information.

CONSTITUTION: When the source text is read out of a history file 5, the pointer (starting address) of a source **member** 6 corresponding to a necessary source **member** name is read out of a **directory** part 9 firstly to access the source **member** 6, and text data is then stored in a compile input file. When history information is fetched, the pointer of a control **member** 7 is read out of the **directory** part 9 by a control **member** name to **search** for the source **member** name in the control **member** 7. Then, when a coincidence with the source **member** name is obtained, serial numbers of histories are read out and converted into **history member** names, which are used to **search** for the **history member** names in the **directory** part 9; and the pointer to the corresponding **history member** 8 is read out to fetch the history information in a working file.

24/5/4 (Item 3 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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015514669 **Image available**
WPI Acc No: 2003-576816/200354
XRPX Acc No: N03-458506

Content files access control method e.g. for education data, audio data, involves modifying search request received from client, based on information pertaining to client, in search profile of client

Patent Assignee: BOGGS C K (BOGG-I); WEIL F L (WEIL-I)

Inventor: BOGGS C K; WEIL F L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030093409	A1	20030515	US 2001754155	A	20010104	200354 B

Priority Applications (No Type Date): US 2001754155 A 20010104

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20030093409	A1	10	G06F-007/00	

Abstract (Basic): US 20030093409 A1

NOVELTY - A search request (210) received from a client, is

modified based on the information stored in a **search profile** (214) corresponding to the **client**. The **modified search** request (220) is transmitted to a **search engine**. The **search results** (230) are processed and provided as standardized **search results** (240), to the **client**.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) method for restricting direct access to content files;
- (2) web server; and
- (3) content files access control program.

USE - For controlling access to content files such as education data, audio, video, pictures, public information, minimal and high-level security information through Internet, during information **search by client**.

ADVANTAGE - Enables to effectively control accessing of content files by **clients**, based on stored **clients profile** or **account information**, in a simple and cost-effective manner.

DESCRIPTION OF DRAWING(S) - The figure shows the flow diagram of the content files access control process.

search request (210)
search profile (214)
modified search request (220)
search results (230)
standardized **search results** (240)
pp; 10 DwgNo 2/3

Title Terms: CONTENT; FILE; ACCESS; CONTROL; METHOD; EDUCATION; DATA; AUDIO
; DATA; **MODIFIED** ; **SEARCH** ; REQUEST; RECEIVE; **CLIENT** ; BASED;
INFORMATION; PERTAIN; **CLIENT** ; **SEARCH** ; PROFILE; **CLIENT**
Derwent Class: T01; W01
International Patent Class (Main): G06F-007/00
File Segment: EPI

24/5/8 (Item 7 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014760654 **Image available**

WPI Acc No: 2002-581358/200262

Method for keyword search using statistical data of internet user connection

Patent Assignee: NTIME.COM (NTIM-N)

Inventor: SONG C H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2002017863	A	20020307	KR 200051378	A	20000831	200262 B

Priority Applications (No Type Date): KR 200051378 A 20000831

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2002017863	A	1	G06F-017/30	

Abstract (Basic): KR 2002017863 A

NOVELTY - A keyword **searching** method using the statistical data of Internet **user** connection is provided to let **users** efficiently **search** the most appropriate information by arranging the results of keyword **searching** in a specific priority order.

DETAILED DESCRIPTION - The method comprises steps of inputting personal profile data in a **search engine** system(200), storing the personal profile data in a personal information DB(Database)(201), storing the statistical data about the **user** connection in an integral information DB(203), displaying the **search** result by keyword **search** corresponding to the personal profile data on a **web site** (204), providing a signal of diversified selection by a **user** to the integral information DB(205), displaying the **search** result by **changing** the arrangement order corresponding to the priority for the **user** (206),

providing the **search history** data to the integral information DB(207), and storing the **search history** data in the integral information DB(208).

pp; 1 DwgNo 1/10

Title Terms: METHOD; KEYWORD: **SEARCH** ; STATISTICAL; DATA; **USER** ; CONNECT
Derwent Class: T01
International Patent Class (Main): **G06F-017/30**
File Segment: EPI

24/5/9 (Item 8 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014602507 **Image available**

WPI Acc No: 2002-423211/200245

XRPX Acc No: N02-333323

Community production system uses server to send companion's profile to matched terminals of user and companion when communication acceptance from both terminals is enabled, to start communication

Patent Assignee: NTT DATA TSUSHIN KK (NITE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002109025	A	20020412	JP 2000293603	A	20000927	200245 B

Priority Applications (No Type Date): JP 2000293603 A 20000927

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes,
JP 2002109025	A	16	G06F-017/60	

Abstract (Basic): JP 2002109025 A

NOVELTY - The **terminals** (1) e.g. mobile telephone of a **user** and a communication companion are **matched** by a server (5) based on a stored **matching** rule. A communication companion's profile is sent to the **matched terminal**. The server sends out a companion's identification information to the **terminals** of the **user** and communication companion when a communication acceptance is enabled from both **terminals**, to start a communication.

DETAILED DESCRIPTION - The community production system includes the server having an individual profile database (7) which stores the **user**'s individual information, the communication companion's information, the communication companion's identification information and a communication log. The communication log is **updated** depending on the communication of the companion. A **matching** rule database (8) stores a **matching** rule **use** in **matching** of various **terminal** equipment which **updates** the relationship between the **user**'s individual information and the communication companion's information based on the current communication log. The **matching** rule is **updated** based on the received relationship data from the **terminal** equipment.

INDEPENDENT CLAIMS are also included for the following:

- (a) a community production device;
- (b) and a community production system control method.

USE - Applicable for provision of agent service.

ADVANTAGE - Enables determination of suitability of communication acceptance from **terminals** of **user** and desired communication companion based on predetermined information of **user** and companion, thus preventing unnecessary communication.

DESCRIPTION OF DRAWING(S) - The figure shows the diagram of community production system. (Drawing includes non-English language text).

Terminals (1)

Server (5)

Individual profile database (7)

Matching rule database (8)

pp; 16 DwgNo 1/22

Title Terms: COMMUNAL; **PRODUCE** ; SYSTEM; SERVE; SEND; COMPANION; PROFILE;

MATCH ; TERMINAL ; USER ; COMPANION; COMMUNICATE; ACCEPT; TERMINAL ;
ENABLE; START; COMMUNICATE
Derwent Class: T01; W01
International Patent Class (Main): **G06F-017/60**
International Patent Class (Additional): **G06F-017/30 ; H04M-011/00**
File Segment: EPI

24/5/11 (Item 10 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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014537263 **Image available**
WPI Acc No: 2002-357966/200239

Method for notifying information using internet

Patent Assignee: JANG K S (JANG-I)
Inventor: JANG K S
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
KR 2001086524 A 20010913 KR 200010450 A 20000302 200239 B

Priority Applications (No Type Date): KR 200010450 A 20000302

Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
KR 2001086524 A 1 G06F-017/00

Abstract (Basic): KR 2001086524 A

NOVELTY - A method for notifying information using the Internet is provided to **search** a notice board having wanted contents conveniently by classifying various kinds notice boards according to categories and providing the notice boards to a **user** as a **directory** form.

DETAILED DESCRIPTION - A **user** connects to a web server using **user** 's PC(S10), and links and selects an item for a **client** of the **user** 's PC(S11), and **executes** the **client** of the **user** 's PC(S12) and watches contents of data of a notice board on a **web site** of a web server and stores the contents of data in a **user** database of the **user** 's PC(S13). The **user** connects to a web DB of the web server for reading information of the notice board being managed by the web server(S14), and performs a data **editing** program, and data for a **client** of the **user** 's PC(S15), and the **created** data are stored in the web server(S16). Data by an integrated notice board of the **user** 's PC are displayed through the Internet network being connected to an integrated notice board server by receiving the data of the notice board and receiving the **created** data(S17). The corresponding information is recorded by designating sites to be **searched** (S18). The total information is displayed by **searching** the **recorded** information, and a movement to the **searched** item is performed(S19).

pp; 1 DwgNo 1/10

Title Terms: METHOD; NOTIFICATION; INFORMATION
Derwent Class: T01
International Patent Class (Main): **G06F-017/00**
File Segment: EPI

24/5/13 (Item 12 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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014215172 **Image available**
WPI Acc No: 2002-035870/200205
XRPX Acc No: N02-027528

Observing user oriented information from a data network, involves comparing indexed and matched content of data network with stored content to determine difference and to store new data content

Patent Assignee: HUSS G (HUSS-I)
Inventor: HUSS G

Number of Countries: 025 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1158419	A1	20011128	EP 2000110388	A	20000515	200205 B

Priority Applications (No Type Date): EP 2000110388 A 20000515

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 1158419	A1	E	14	G06F-017/30	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): EP 1158419 A1

NOVELTY - The method involves comparing an indexed and **matched** content of a data network with a previously stored content to determine if there is any difference between the indexed and **matched** content and the previously stored content. The indexed and **matched** content is then stored as a new data content. A **user** is informed about the new data content when the comparison reveals a difference.

DETAILED DESCRIPTION - The method begins by inputting a **user** defined **search profile** with one **search agent**. The data content of the data network is spidered using a web spider. The spidered content is then indexed and **matched** with the **search profile**. INDEPENDENT CLAIMS are also included for the following:

(a) the observation apparatus for **user** oriented information from a data network;

(b) the computer program comprising the instruction for observing **user** oriented information from data network;

(c) the data structure;

(d) and the data signal transmitted over the data network.

USE - Observing **user** oriented information from a data network.

ADVANTAGE - Provides personalized service which registers **user**'s preferences. Allows **user** to determined time periods in which relevant data networks should be checked on new data content, thereby ensuring permanent relevance of data contents. Enables **user** to limit several information resulting in clear and fast provision of information pertinent to **user**. Ensures relevance of new data since **update** of intervals and frequency in checking availability of new data contents can be controlled. Inputs **search** items in text documents resulting in a comfortable language that prevents **user** of learning difficult and different **search engine** languages. Provides a check for entire phrases contained in the text documents. Allows **user** to observe entire data links and addresses, and omit **matching** process to be informed in any case of new data content of corresponding data link or address.

DESCRIPTION OF DRAWING(S) - The figure shows a flowchart illustrating the observation of **user** oriented information from a data network.

pp; 14 DwgNo 2/5

Title Terms: OBSERVE; **USER**; ORIENT; INFORMATION; DATA; NETWORK; COMPARE;

INDEX; **MATCH**; CONTENT; DATA; NETWORK; STORAGE; CONTENT; DETERMINE;

DIFFER; STORAGE; NEW; DATA; CONTENT

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

24/5/14 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014155034 **Image available**

WPI Acc No: 2001-639260/200173

XRPX Acc No: N01-477804

Customization system for Internet search engine uses stored **user** profile to search for information of interest to **user**

Patent Assignee: ISP FOCUS LTD (ISPF-N); TARGETIZE INNOVATIVE SOLUTIONS LTD

(TARG-N); FRIEDMAN M M (FRIE-I)

Inventor: ERNEST G; VEKSLAR G

Number of Countries: 095 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200173565	A1	20011004	WO 2001US8887	A	20010320	200173 B
AU 200147598	A	20011008	AU 200147598	A	20010320	200208
US 6389469	B1	20020514	US 2000534962	A	20000327	200239

Priority Applications (No Type Date): US 2000534962 A 20000327

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200173565 A1 E 27 G06F-013/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS
JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL
PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200147598 A G06F-013/00 Based on patent WO 200173565

US 6389469 B1 G06F-013/00

Abstract (Basic): WO 200173565, A1

NOVELTY - A server (20) receives a **user profile** (26) which may be **changed** at any time by the **user** (22). Server uses **user profile** to **search** Internet for information of interest to **user**. Information is collated and sent to **user**.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for a system and method for receiving content desired by a specific **user** and for a content delivery method.

USE - Delivering customized content based on **user** preferences.

ADVANTAGE - **User** can obtain **updated** information from the same sources without having to visit all the sites.

DESCRIPTION OF DRAWING(S) - The drawing shows the system

Server (20)

User (22)

User profile (26)

Content items (28)

Memory (24)

pp; 27 DwgNo 1/3

Title Terms: CUSTOMISATION; SYSTEM; **SEARCH** ; ENGINE; STORAGE; **USER** ;

PROFILE; **SEARCH** ; INFORMATION; INTEREST; **USER**

Derwent Class: T01

International Patent Class (Main): G06F-013/00

File Segment: EPI

24/5/15 (Item 14 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013945798 **Image available**

WPI Acc No: 2001-430011/200146

Retrieval system for meta data bibliographic information

Patent Assignee: JIN S I (JINS-I); OROM INFO (OROM-N); OROMINFO CO LTD
(OROM-N)

Inventor: JIN S I

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001000136	A	20010105	KR 200031243	A	20000608	200146 B
KR 399502	B	20030926	KR 200031243	A	20000608	200416

Priority Applications (No Type Date): KR 200031243 A 20000608

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

KR 2001000136 A 1 G06F-017/30

Abstract (Basic): KR 2001000136 A

NOVELTY - A bibliographic IRS (Information Retrieval System) is provided to process an access to or selection of a meta data in a main memory device not in a hard disk device so that it can make a data access rapid and regulate a performance distribution.

DETAILED DESCRIPTION - A bibliographic IRS comprises a web server(110), a bibliographic data IRS(140), a summary IRS(130), and an update monitor(150). The web server(110) makes a search request message based on the data input by a user, transmit the message to the bibliographic data IRS(140) and the summary IRS(130), and transmit a search result to the user terminal. The summary IRS(130), including a summary information database, a retrieval server and a search engine, processes a search and an update on a bibliographic meta data. The bibliographic data IRS(140) searches for a record corresponding to a control number transferred from the summary IRS(130), and processes a search request of a detailed information on a specific summary information. The update monitor(150) maintains an integrity between the summary information database and the bibliographic database.

pp; 1 DwgNo 1/10

Title Terms: RETRIEVAL; SYSTEM; META; DATA; INFORMATION

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

24/5/16 (Item 15 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013814602 **Image available**

WPI Acc No: 2001-298814/200131

Related WPI Acc No: 1999-385010

XRPX Acc No: N01-214173

Directory service for database with very large number of records has searching and providing promotional information performed automatically

Patent Assignee: SWITCHBOARD INC (SWIT-N)

Inventor: ADLER M; CANON J M; HALSEY B A; POLNEROW D; WARNER L Z

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6195660	B1	20010227	US 96644619	A	19960506	200131 B
			US 99340538	A	19990628	

Priority Applications (No Type Date): US 96644619 A 19960506; US 99340538 A 19990628

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6195660	B1		15	G06F-011/00	Div ex application US 96644619 Div ex patent US 5918227

Abstract (Basic): US 6195660 B1

NOVELTY - A database having a large number of records with information about individuals is maintained; receiving a request (50) for records from the database, the requests are received over the Internet from a user accessing a web site; in response to receiving the request the database is accessed; the records are provided to a user in response to the request; receiving a request from a user to change the record relating to that user (62).

DETAILED DESCRIPTION - The request being made by the user through the web site from a user for whom a record was already present in the database before the user registered if it is determined that the user is properly attempting to change that users own record. The database has records for many millions of individuals and the records includes name, address, and telephone number of the individuals. Searching and providing promotional information are performed

automatically without a request by the **user** when the **user** accesses the **directory** service, and providing promotional information includes highlighting promotional information not previously provided to that **user**.

An INDEPENDENT CLAIM is also included for A database system having a large number of records corresponding to individual people and/or businesses.

USE - On-line **directory** service for convenient access to a very large number of records by a very large number of **users** from a publicly accessible Internet **web site**.

ADVANTAGE - A highly-scalable and flexible system that conveniently allows for databases and/or **gaters** to be added or removed, and the **directory** service has monitoring and management function to ensure good performance.

DESCRIPTION OF DRAWING(S) - The figure shows a chart of menus and input screens.

pp; 15 DwgNo 3/9

Title Terms: **DIRECTORY** ; SERVICE; DATABASE; NUMBER; RECORD; **SEARCH** ;

PROMOTE; INFORMATION; PERFORMANCE; AUTOMATIC

Derwent Class: T01

International Patent Class (Main): **G06F-011/00**

File Segment: EPI

24/5/17 (Item 16 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013491710 **Image available**

WPI Acc No: 2000-663653/200064

XRPX Acc No: N00-491679

User profile matching method for webcasting in Internet, Intranet, involves matching each predicate of profile collection against data item, for evaluation

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: EICHSTAEDT M; LU Q

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6108645	A	20000822	US 97978737	A	19971126	200064 B

Priority Applications (No Type Date): US 97978737 A 19971126

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6108645	A		26	G06F-017/30	

Abstract (Basic): US 6108645 A

NOVELTY - A profile index with collection of **user profiles** including predicates, is **created** and the predicates shared by **user profiles** are identified. Each predicate of **profile** collection is **matched** against data item, for evaluation.

DETAILED DESCRIPTION - The most shared predicates have a higher priority than lesser-shared predicates. INDEPENDENT CLAIMS are also included for the following:

(a) **user profile matching** apparatus;

(b) program for **executing user profile matching** method

USE - For **matching user profile** with desired data for webcasting in Internet, Intranet. Also in notification, alert or other kinds of information push systems using boolean based profile language.

ADVANTAGE - Enables to **match** a large collection of **user profiles** against a large volume of data. Due to shared representation of common predicates in profile index, when more **subscribers** are added the overall performance of **profile matching** has negligible effect. Enables adaptability to **changes** in **user profiles** and information fed to maintain efficient performance. Enables utilizing dynamic cost/credit information and a logical structure among

predicates efficiently, hence achieves high performance.

DESCRIPTION OF DRAWING(S) - The figure shows principal explanation of profile index evaluation.

pp; 26 DwgNo 10B/13

Title Terms: **USER** ; PROFILE; **MATCH** ; METHOD; **MATCH** ; PROFILE; COLLECT;
DATA; ITEM; EVALUATE

Derwent Class: T01

International Patent Class (Main): **G06F-017/30**

File Segment: EPI

24/5/18 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013385467 **Image available**

WPI Acc No: 2000-557405/200051

Related WPI Acc No: 1996-278122; 1998-311901; 1998-311902; 1999-008998;

2001-182386; 2001-502180; 2003-196692

XRPX Acc No: N00-412441

Data updating method for user interactive electronic information providing system in Internet, involves generating virtual search objects relevant to user 's interest and bulletin board is scanned to classify users

Patent Assignee: HERZ F S M (HERZ-I)

Inventor: HERZ F S M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6029195	A	20000222	US 94346425	A	19941129	200051 B
			US 9632461	P	19961209	
			US 97985731	A	19971205	

Priority Applications (No Type Date): US 9632461 P 19961209; US 94346425 A 19941129; US 97985731 A 19971205

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6029195	A		63	G06F-015/16	CIP of application US 94346425
					Provisional application US 9632461
					CIP of patent US 5758257

Abstract (Basic): US 6029195 A

NOVELTY - Target profiles are generated relevant to contents of target bulletin boards. The user preferred data is retrieved for each user, using the profiles. Virtual search objects relevant to user are generated. Each bulletin board is scanned relevant to target object and user groups are classified depending on their interests.

DETAILED DESCRIPTION - The user groups having common interest of particular object data is identified. Then, the identified user is matched with the other users for creating a new bulletin board. The matched user group is generated as E-mail list and the list is forwarded to the concerned user. The new users relevant to the new bulletin board are added in the user 's list.

USE - For user interactive electronic information providing system in Internet used in providing news, advertisements and various data. Also used in TV broadcasting, advertisement research and for on-line video conferencing used for business, schools and job training purposes.

ADVANTAGE - Facilitates accessing of desired data with less accessing time, by modifying the electronic bulletin boards periodically. Eases editing of documents in online conferencing, thereby promotes product design and operativity.

DESCRIPTION OF DRAWING(S) - The figure shows the flow chart representing the user interactive data accessing method.

pp; 63 DwgNo 10/16

Title Terms: DATA; **UPDATE** ; METHOD; **USER** ; INTERACT; ELECTRONIC;

INFORMATION; SYSTEM; **GENERATE** ; VIRTUAL; **SEARCH** ; OBJECT; RELEVANT;
USER ; INTEREST; BOARD; SCAN; CLASSIFY; **USER**
Derwent Class: T01; W02
International Patent Class (Main): **G06F-015/16**
International Patent Class (Additional): H04H-001/02; H04N-007/14
File Segment: EPI

24/5/19 (Item 18 from file: 350)
DIALOG(R) File 350:Derwent WPIX,
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013009191 **Image available**
WPI Acc No: 2000-181043/200016
XRPX Acc No: N00-133545

User **controllable relevance ranking method of search results for**
records , text documents, etc

Patent Assignee: LYCOS INC (LYCO-N)
Inventor: ANDRE D L; GREEN R M; PANT S; SCHIEGG M J; WATSON G
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6012053	A	20000104	US 97880923	A	19970623	200016 B

Priority Applications (No Type Date): US 97880923 A 19970623

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6012053	A		18	G06F-017/30	

Abstract (Basic): US 6012053 A,

NOVELTY - A relevance determination module (168) applies relevance factors to items in the set of **search** results of current **search** to determine a score for each item of information and provides an indication of the score for each item. A sorting module (176) provides the **user** an indication of the items in an order ranked according to relevance score of each item.

DETAILED DESCRIPTION - The relevance factors include location of **search** term in an item, location of **search** term in a field of the item, position and frequency of occurrence of **search** term in the items, length of a term of an item, location of the item within a **directory** of files and recency of the item. An INDEPENDENT CLAIM is also included for the computer implemented method of **user** controllable relevance ranking of **search** results.

USE - For ranking **search** results from a **query** on a collection of items of information such as records, text documents, etc in database.

ADVANTAGE - Application of the relevance factors does not **alter** the **query** performed on collection of information. Facilitates the **user** to control the ranking and presentation of documents resulting from the **search**.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of relevance ranking system.

Relevance determination module (168)

Sorting module (176)

pp; 18 DwgNo 3/9

Title Terms: **USER** ; CONTROL; RELEVANT; RANK; METHOD; **SEARCH** ; RESULT;
RECORD; TEXT; DOCUMENT

Derwent Class: T01
International Patent Class (Main): **G06F-017/30**
File Segment: EPI

24/5/20 (Item 19 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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012866185 **Image available**

WPI Acc No: 2000-038018/200003

Related WPI Acc No: 1998-556888; 1999-518136

XRPX Acc No: N00-028661

Value-ordered entries array searching method in data processor

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: DAHL S A; ENDICOTT J C; HEYRMAN P J; KIRKMAN R K; MUSTAIN R G;

PETERSON J H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5991757	A	19991123	US 95526611	A	19950911	200003 B
			US 9852477	A	19980331	

Priority Applications (No Type Date): US 95526611 A 19950911; US 9852477 A 19980331

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5991757	A		19	G06F-009/455	Div ex application US 95526611

Abstract (Basic): US 5991757 A

NOVELTY - Each N records including entries which are ordered according to value of entries is stored in data storage. A **processor** is used for determining whether **search** value precedes, **matches** or follows entry within the record. Based on determination result of **search** value, **records** within **specific set** are identified suitably and contents of one entry is retrieved from identifier records and processed suitably.

DETAILED DESCRIPTION - The **processor** is used for setting W number of records within array to be **searched** which is equal to N. Each W records is **assigned** to either **sets** and records within each set are sequentially ordered. The first set **includes** X/2 of W records where X is smallest power of 2 equal to or greater than W. When **search** value precedes entry of record within second set, binary **search** of **records** of first set is carried out using the **processor** to identify **record** including an entry having value equal to **search** value. When value of first entry is equal to **search** value, the **record** within a second set is identified containing an entry **matching search** value. When **search** value follows entry of record within second set, the first record of second set is identified containing an entry **matching search** value only if W is equal to 1. If W is not equal to 1, W equal to number of records is set within second set and identification of records are repeated until record contains an entry **matching search** value is identified. An INDEPENDENT CLAIM is also **included** for array **searching** program in data **processor**.

USE - In data **processor**.

ADVANTAGE - Alignment of address and instruction handlers along cache line boundaries minimizes instruction cache misses, thereby improving instruction latency when instruction cache miss occurs. Delays handling interrupts until **user** selected number of branch or other non-reentrant instructions are **executed** in order to minimize emulation overhead. **Implements** modified binary **search** algorithm to efficiently **search** multilevel disk **directory**.

DESCRIPTION OF DRAWING(S) - The figure represents block diagram of system unit of data **processor**.

pp; 19 DwgNo 2/12

Title Terms: VALUE; ORDER; ENTER; ARRAY; **SEARCH** ; METHOD; DATA; **PROCESSOR**

Derwent Class: T01

International Patent Class (Main): G06F-009/455

File Segment: EPI

24/5/21 (Item 20 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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012195722 **Image available**

Set	Items	Description
S1	2050117	SEARCH? OR PURSU? OR SEEK? OR QUER? OR MATCH? OR FIND? OR - LOOK?
S2	3688119	RECEIV? OR ACCEPT? OR ADMIT? OR TAKE()IN OR RETRIEV? OR OB- TAIN?
S3	1733936	CLIENT? OR USER? OR VISITOR? OR SUBSCRIBER? OR MEMBER? OR - WORKSTATION OR WORK()STATION? OR NODE? OR TERMINAL? OR PROCES- SOR
S4	3559241	CREATE? OR GENERATE? OR PRODUCE? OR DEVELOP? ? OR ORIGINAT- E? OR MAKE?
S5	4320662	MODIF? OR UPDAT? OR CHANG? OR EDIT? OR REVIS? OR REVAMP? OR REWORK? OR ALTER? OR UP() (DATING OR DATE? ?)
S6	5421168	APPLY? OR APPLIES OR EMPLOY? OR IMPLEMENT? OR USE OR USES - OR UTILIZE? OR CARRY()OUT OR EXECUT? OR PRACTICE?
S7	10042	S1 (2N) (PROFILE? OR HISTORY? OR RECORD? OR (INDIVIDUAL OR - PERSONAL) () SPECIFICATION?)
S8	6146	S3 (2N) (PROFILE? OR HISTORY? OR RECORD OR (INDIVIDUAL OR P- ERSONAL) () SPECIFICATION?) OR ACCOUNT() INFORMATION
S9	5343754	ADDING OR ADD 'OR ADDS OR 'INSERT? OR COMBIN? OR INCLUDE? OR UNITE? OR CONNECT? OR JOIN?
S10	4202506	SPECIF? OR DESIGNAT? OR DETERMIN? OR DENOT? OR POINT()OUT - OR APPOINT? OR ASSIGN? OR NOMINAT? OR STIPULAT? OR DECID? OR - SINGLE()OUT
S11	3788363	SET OR SETS OR GROUP? OR COLLECTION? OR CATEGOR? OR CLASS? ?
S12	234698	SEARCH()ENGINE? OR WEB()SEARCH()SITE? OR DIRECTOR? OR WEB(-)SITE?
S13	459	S1 AND S5 AND S7 AND S3
S14	47	S13 AND S12
S15	13	S14 AND S8
S16	106031	S4 AND S5 AND S1
S17	10	S16 AND S6 AND S7 AND S8
S18	90	S16 AND S6 AND S7 AND S3
S19	2	S9 AND S7 AND S1 AND (S10 (3N) S11) AND S12
S20	3	S6 AND S7 AND S1 AND (S10 (3N) S11) AND S12
S21	11	S18 AND S12
S22	10	S18 AND S8
S23	56	S14 OR S15 OR S17 OR S19 OR S20 OR S21 OR S22
S24	47	S23 NOT PY>2001
S25	47	S23 NOT PD>20010104
S26	44	RD (unique items)
File	8: Ei Compendex(R) 1970-2004/Apr W1	(c) 2004 Elsevier Eng. Info. Inc.
File	35: Dissertation Abs Online 1861-2004/Mar	(c) 2004 ProQuest Info&Learning
File	202: Info. Sci. & Tech. Abs. 1966-2004/Feb 27	(c) 2004 EBSCO Publishing
File	65: Inside Conferences 1993-2004/Apr W2	(c) 2004 BLDSC all rts. reserv.
File	2: INSPEC 1969-2004/Apr W1	(c) 2004 Institution of Electrical Engineers
File	233: Internet & Personal Comp. Abs. 1981-2003/Sep	(c) 2003 EBSCO Pub.
File	94: JICST-EPlus 1985-2004/Mar W4	(c) 2004 Japan Science and Tech Corp(JST)
File	99: Wilson Appl. Sci & Tech Abs 1983-2004/Mar	(c) 2004 The HW Wilson Co.
File	95: TEME-Technology & Management 1989-2004/Mar W4	(c) 2004 FIZ TECHNIK
File	583: Gale Group Globalbase(TM) 1986-2002/Dec 13	(c) 2002 The Gale Group

26/5/1 (Item 1 from file: 8)
DIALOG(R) File 8: Ei Compendex(R)
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06738240 E.I. No: EIP04098040088

Title: Using Web Helper Agent Profiles in Query Generation
Author: Somlo, Gabriel L.; Howe, Adele E.
Corporate Source: Computer Science Department Colorado State University,
Fort Collins, CO 80523, United States
Conference Title: Proceedings of the Second International Joint
Conference on Autonomous Agents and Multiagent Systems, AAMAS 03
Conference Location: Melbourne, Vic., Australia **Conference Date:**
20030714-20030718
Sponsor: ACM/SIGART; IFMAS; ATAL; AGENTS
E.I. Conference No.: 62277
Source: Proceedings of the International Conference on Autonomous Agents
v 2 2003. p 812-818
Publication Year: 2003
Language: English
Document Type: CA; (Conference Article) **Treatment:** T; (Theoretical)
Journal Announcement: 0403W2

Abstract: Personalized information agents can help overcome some of the limitations of communal Web information sources such as portals and **search engines**. Two important components of these agents are: **user profiles** and information filtering or gathering services. Ideally, these components can be separated so that a single **user profile** can be leveraged for a variety of information services. Toward that end, we are building an information agent called SurfAgent; in previous studies, we have developed and tested methods for automatically learning a **user profile** left bracket 20 right bracket. In this paper, we evaluate **alternative** methods for recommending new documents to a **user** by generating **queries** from the **user profile** and submitting them to a popular **search engine**. Our study focuses on three questions: How do different algorithms for **query** generation perform relative to each other? Is positive relevance feedback adequate to support the task? Can a **user profile** be learned independent of the service? We found that three algorithms appear to excel and that using only positive feedback does degrade the results somewhat. We conclude with the results of a pilot **user** study for assessing interaction of the **profile** and the **query** generation mechanisms. 21 Refs.

Descriptors: Autonomous agents; Portals; **Search engines**; Information analysis; Feedback; Vectors; Optimization; Algorithms; Computer simulation
Identifiers: Information agents; **User** modeling; **Query** generation
Classification Codes:

723.5 (Computer Applications); 903.1 (Information Sources & Analysis);
921.1 (Algebra); 921.5 (Optimization Techniques)
723 (Computer Software, Data Handling & Applications); 903 (Information Science); 921 (Applied Mathematics)
72 (COMPUTERS & DATA PROCESSING); 90 (ENGINEERING, GENERAL); 92 (ENGINEERING MATHEMATICS)

26/5/2 (Item 2 from file: 8)
DIALOG(R) File 8: Ei Compendex(R)
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06687996 E.I. No: EIP04037819423

Title: Using controlled vocabulary (Part III - Query mapping and thesaurus term suggestion)
Author: Jacso, Peter
Corporate Source: University of Hawaii at Manoa, Honolulu, HI, United States
Source: Online Information Review v 27 n 6 2003. p 446-450
Publication Year: 2003
CODEN: OIRNAU **ISSN:** 1468-4527
Language: English
Document Type: JA; (Journal Article) **Treatment:** T; (Theoretical)

Sponsor: the American Association for Artificial Intelligence
E.I. Conference No.: 59155
Source: Innovative Applications of Artificial Intelligence - Conference Proceedings 2001. p 65-72
Publication Year: 2001
CODEN: 85PZAB
Language: English
Document Type: CA; (Conference Article) Treatment: T; (Theoretical)
Journal Announcement: 0206W4

Abstract: The primary application domain of Kodama is the World Wide Web and its purpose in this application is to assist users to find desired information. Three different categories of Kodama's agents are introduced here, Web Page Agents (WPA), Server Agents (SA), and User Interface Agents (UIA), Kodama agents learn and adapt to the User's Preferences (UP), which may change over time. At the same time, they explore these preferences to get any relevancy with the future queries. The main trust of Kodama research project is an investigation into novel ways of agentifying the Web based on the pre-existing hyper-link structure. These communities of Kodama agents automatically achieve and update their Interpretation Policies (IP) & UP and cooperate with other agents to retrieve distributed relevant information on the Web. We focus in this paper on the implementation and the evaluation on the adaptability of Kodama agents with the UP. This paper proposes a new method for learning the UP directly from user's interaction with the system and adapting the preferences with user's responses over the time. The user's feedback is used by the Kodama to support a credit adaptation mechanism to the IP of the WPA that is responsible for this URL and to adapt the weight and the query fields in user's query history and bookmark files. In terms of adaptation speed, the proposed methods make Kodama system acts as a PinPoint information retrieval system, converges to the user's interests and adapts to the sudden change of user's interests over time. 14 Refs.

Descriptors: Search engines; World Wide Web; Software agents; User interfaces; Information retrieval; Artificial intelligence

Identifiers: Web page agents (WPA); Server agents (SA); User interface agents (UIA)

Classification Codes:

722.2 (Computer Peripheral Equipment); 903.3 (Information Retrieval & Use); 723.4 (Artificial Intelligence)

723 (Computer Software, Data Handling & Applications); 722 (Computer Hardware); 903 (Information Science)

72 (COMPUTERS & DATA PROCESSING); 90 (ENGINEERING, GENERAL)

26/5/6 (Item 6 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

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05866984 E.I. No: EIP01316601176

Title: The role of structured content in a personalized news service

Author: Jokela, S.; Turpeinen, M.; Kurki, T.; Savia, E.; Sulonen, R.

Conference Title: 34th Annual Hawaii International Conference on System Sciences

Conference Location: Maui, HI, United States Conference Date: 20010103-20010106

E.I. Conference No.: 58187

Source: Proceedings of the Hawaii International Conference on System Sciences 2001. p 182

Publication Year: 2001

CODEN: PHISD7 ISSN: 1060-3425

Language: English

Document Type: CA; (Conference Article) Treatment: T; (Theoretical)

Journal Announcement: 0108W2

Abstract: Digitalization of content and exponential growth of Internet and electronic commerce are changing the media industry. The availability of structured content enables new ways to produce and deliver information. This paper explains the role of semantic metadata in developing content for an adaptive news service in the SmartPush-project.

In SmartPush, news content is categorized using semi-automatic tools and pre-defined vocabularies. Metadata enhanced content is then **matched** against **user profiles** to provide customers with a personalized news service. After providing the personalized news to the customer, SmartPush system adapts the personalization based on **user feedback**. This paper discusses the requirements of personalized content services and challenges in an approach based on structured metadata. We describe how supporting ontologies for the content were developed and maintained and what kinds of tools were developed to support the structured metadata creation. We also present some results of the pilot phase of the project and introduce some of the issues observed during the system **implementation** and in the performed field trial.

Descriptors: *Internet; Electronic commerce; Metadata; Semantics;

Customer satisfaction

Identifiers: Media industry

Classification Codes:

723.5 (Computer Applications); 911.2 (Industrial Economics); 911.4 (Marketing)

723 (Computer Software, Data Handling & Applications); 716 (Electronic Equipment, Radar, Radio & Television); 717 (Electro-Optical Communication); 718 (Telephone & Other Line Communications); 911 (Cost & Value Engineering; Industrial Economics)

72 (COMPUTERS & DATA PROCESSING); 71 (ELECTRONICS & COMMUNICATION ENGINEERING); 91 (ENGINEERING MANAGEMENT)

26/5/7 (Item 7 from file: 8)

DIALOG(R) File 8: Ei Compendex(R)

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05582806 E.I. No: EIP00065216881

Title: Infomarker - a new internet information service system

Author: Liu, Bin; Lu, Zengxiang; Gan, Quan; Feng, Ao; Wang, Pu

Corporate Source: Tsinghua Univ, Beijing, China

Source: Journal of Computer Science and Technology v 15 n 3 2000. p 300-304

Publication Year: 2000

CODEN: JCTEEM ISSN: 1000-9000

Language: English

Document Type: JA; (Journal Article) Treatment: T; (Theoretical)

Journal Announcement: 0007W5

Abstract: As the web grows, the massive increase in information is placing severe burdens on information retrieval and sharing. Automated **search engines** and **directories** with small **editorial** staff are unable to keep up with the increasing submission of **web sites**. To address the problem, this paper presents Infomarker - an Internet information service system based on Open **Directory** and Zero-Keyword Inquiry. The Open **Directory** sets up a net-community in which the increasing net-citizens can each organize a small portion of the web and present it to the others. By means of Zero-Keyword Inquiry, **user** can get the information he is interested in without inputting any keyword that is often required by **search engines**. In Infomarker, **user** can **record** the web address he likes and can put forward an information request based on his web **records**. The information **matching** engine checks the information in the Open **Directory** to find what fits **user**'s needs and adds it to **user**'s web address records. The key to the **matching** process is layered keyword mapping. Infomarker provides people with a whole new approach to getting information and shows a wide prospect. (Author abstract) 5 Refs.

Descriptors: Information retrieval systems; World Wide Web; **Search engines**; Online **searching**; Web browsers; Data structures; Optimization

Identifiers: Information **matching** engine; Open **directory**; Zero keyword inquiry; Layered keyword mapping

Classification Codes:

903.3 (Information Retrieval & Use); 723.5 (Computer Applications); 723.2 (Data Processing); 921.5 (Optimization Techniques)

903 (Information Science); 723 (Computer Software); 921 (Applied Mathematics)

90 (GENERAL ENGINEERING); 72 (COMPUTERS & DATA PROCESSING); 92
(ENGINEERING MATHEMATICS)

26/5/8 (Item 8 from file: 8)
DIALOG(R) File 8:EI Compendex(R)
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05130717 E.I. No: EIP98104403531

Title: Intelligent medical information filtering

Author: Quintana, Yuri

Corporate Source: Univ of Western Ontario, London, Ont, Can

Source: International Journal of Medical Informatics v 51 n 2-3 Aug-Sep
1998. p 197-204

Publication Year: 1998

CODEN: IJMIF4 ISSN: 1386-5056

Language: English

Document Type: JA; (Journal Article) Treatment: G; (General Review)

Journal Announcement: 9811W5

Abstract: An intelligent information filtering system has been developed which notifies **users** of **updates** to new and relevant medical information. The system records the online web browsing behavior of each **user** and creates a **user profile** of the index terms found on the web pages visited by the **user**. A relevance-ranking algorithm then **matches** the **user profiles** to the index terms of new health care web pages that are added each day. The system creates customized summaries of new information for each **user**. A **user** can then connect to the **web site** to read the new information. 37 Refs.

Descriptors: Health care; Information retrieval; Indexing (of information); Online **searching**; World Wide Web; Decision making; Algorithms

Identifiers: Information filtering; Medical informatics; Web browsing

Classification Codes:

461.7 (Health Care); 903.3 (Information Retrieval & Use); 903.1 (Information Sources & Analysis); 723.5 (Computer Applications); 912.2 (Management)

461 (Biotechnology); 903 (Information Science); 723 (Computer Software); 912 (Industrial Engineering & Management)

46 (BIOENGINEERING); 90 (GENERAL ENGINEERING); 72 (COMPUTERS & DATA PROCESSING); 91 (ENGINEERING MANAGEMENT)

26/5/20 (Item 1 from file: 2)
DIALOG(R) File 2:INSPEC
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6934673 INSPEC Abstract Number: C2001-07-7250N-002

Title: Tuning up the search engine

Author(s): Williams, J.; Starzl, R.

Journal: IT Professional vol.3, no.1 p.60-2

Publisher: IEEE,

Publication Date: Jan.-Feb. 2001 Country of Publication: USA

CODEN: IPMAFM ISSN: 1520-9202

SICI: 1520-9202(200101/02)3:1L:60:TSE;1-8

Material Identity Number: H358-2001-001

U.S. Copyright Clearance Center Code: 1520-9202/2001/\$10.00

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Advances in Internet **search engine** technology may not help you blast Klingons into outer space, but they should help you **find** them more quickly on the Web. The whole arena for Internet **searching** has become rather interesting. **Search engines** appear poised to make some serious breakthroughs in relevancy ranging and personalization that promise to increase the accuracy and reliability of **search**. On the other hand, data suggests that **users** are becoming increasingly disenchanted with **search engines** that don't actually **search** the Web, but rather **search records** of the **Web sites** their robots have visited. Some online

merchants (Victoria's Secret, for example) don't even enable keyword **searches** on their sites. The Web's increasingly dynamic nature complicates **searching**. New pages created on the fly using personalization information, and even static content, with dynamically inserted sidebars, navigation bars, advertising and commentary, can present a rapidly **changing** picture for any robot to discover. And as indexes grow larger, **search** system performance becomes a significant problem. (0 Refs)

Subfile: C

Descriptors: information resources; information retrieval; Internet; **search engines**; software agents

Identifiers: Internet **search engine** technology; World Wide Web; Internet **searching**; relevancy ranging; personalization; **Web sites**; online merchants; keyword **searches**; static content; dynamically inserted sidebars; navigation bars; advertising; **search** system performance; **search** robots; software agents

Class Codes: C7250N (Search engines); C7210N (Information networks); C7250R (Information retrieval techniques); C6170 (Expert systems and other AI software and techniques)

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26/5/21 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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6598262 INSPEC Abstract Number: C2000-06-7210N-094

Title: Improving World-Wide-Web performance using domain-top approach to prefetching

Author(s): Seung Won Shin; Byeong Hag Seong; Daeyeon Park

Author Affiliation: Korea Adv. Inst. of Sci. & Technol., Seoul, South Korea

Conference Title: Proceedings Fourth International Conference/Exhibition on High Performance Computing in the Asia-Pacific Region Part vol.2 p.738-46 vol.2

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 2000 Country of Publication: USA 2 vol. xxiv+1179 pp.

ISBN: 0 7695 0589 2 Material Identity Number: XX-2000-00942

U.S. Copyright Clearance Center Code: 0 7695 0589 2/2000/\$10.00

Conference Title: Proceedings Fourth International Conference/Exhibition on High Performance Computing in the Asia-Pacific Region

Conference Date: 14-17 May 2000 Conference Location: Beijing, China

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The exponential rate of growth of the World Wide Web has led to an increase in Internet traffic, as well as a serious degradation in **user**-perceived latency while accessing "Web pages". One way to reduce the latency is through the **use** of caching. Prefetching method may be applied to further increase the cache hit ratio, by anticipating and prefetching future **client** requests. The authors propose a domain-top approach to prefetching which combines the proxy's active knowledge of the most popular domains and documents with **client** access **profiles**. Our goal is to increase the hit ratio by proxy prefetching and to put a little burden on the proxy and the network. In our scheme, proxy **finds** the popular domains using access **profiles** and **searches** the popular documents in each domain. Based on these Top-Domain and Top-Documents, proxy **makes** the rank list for prefetching, the **client** requests a file in a certain domain and proxy forwards to them their most popular documents in the rank list.

Finding the popular domains and documents does not require heavy computation power to the proxy, but only needs a very small amount of rank list that stores them at the proxy. This approach can be **implemented** without **changes** to server and **client**. We did trace driven simulation by using the access logs from the KAIST proxy server to evaluate domain-top prefetching. We demonstrate the effectiveness of the domain-top approach by evaluating various prediction table constructions across a collection of large proxy logs. The results show that the domain-top prediction algorithm can raise hit ratios up to 20% in worst cases, and that domain-top can

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5950650 INSPEC Abstract Number: C9808-7110-005

Title: Introduction to programming ODBC on Windows 95/NT/NT server for database distribution and access via the Web

Author(s): Hicks, T.E.

Author Affiliation: Dept. of Comput. Sci., Trinity Univ., San Antonio, TX, USA

Journal: Journal of Computing in Small Colleges Conference Title: J. Comput. Small Coll. (USA) vol.13, no.4 p.28-48

Publisher: Muhlenberg Coll,

Publication Date: March 1998 Country of Publication: USA

Material Identity Number: M855-98001

Conference Title: Ninth Annual CCSC South Central Conference

Conference Date: 17-18 April 1998 Conference Location: Jackson, MS, USA

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Practical (P)

Abstract: Within the Internet structure, there are both static Web pages and dynamic Web pages. To date, the vast majority of Web pages are static. Static Web pages remain essentially the same until an author takes action to **change** the page with a Web **editor** such as Communicator, Hot Metal, Net It Now, ATRAX, Ant, Word 97, Webber32, Heitml, etc. College faculty currently use static Web pages to post handouts, assignments, assignment solutions, sample exams, course outlines, and current papers; they might even include links to other sources that the students should examine. Dynamic Web pages are generally template pages whose content portion is most often filled with information returned from database **queries**; when the template is constructed, the exact content of a dynamic Web page is generally unknown. Web **search engines**, such as Lycos and Yahoo are examples of dynamic Web pages. The purpose of the paper is to demonstrate the techniques used to add **records**, **search for records**, and **query** information from multiple database tables via Web pages; these techniques are appropriate for both intranet and Internet distribution. A Windows 95 platform, a Windows NT platform, or a Windows NT Server platform may be used in a server capacity to distribute the dynamic pages; this server can be the faculty **member's** personal **workstation**. The Object Database Connectivity specification is programmed to interact with the database tables. A trivial Video Store Application provides a forum for discussion and illustration. (2 Refs)

Subfile: C

Descriptors: desktop publishing; educational technology; information retrieval; Internet; network operating systems; object-oriented databases; object-oriented programming; teaching

Identifiers: ODBC programming; Windows 95/NT/NT server; database distribution; Internet structure; static Web pages; dynamic Web pages; Web **editor**; college faculty; template pages; database **queries**; Web **search engines**; Lycos; Yahoo; multiple database tables; intranet; Internet distribution; Windows 95 platform; Windows NT platform; Windows NT Server platform; personal **workstation**; Object Database Connectivity specification; database tables

Class Codes: C7110 (Educational administration); C7810C (Computer-aided instruction); C7210 (Information services and centres); C6110J (Object-oriented programming); C6160J (Object-oriented databases); C7250R (Information retrieval techniques); C6130D (Document processing techniques); C7108 (Desktop publishing)

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26/5/26 (Item 7 from file: 2)

DIALOG(R) File 2:INSPEC

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5661395 INSPEC Abstract Number: C9709-7250R-028

Title: Learning probabilistic user profiles . Applications for finding interesting web sites , notifying users of relevant changes to web

pages, and locating grant opportunities

Author(s): Ackerman, M.; Billsus, D.; Gaffney, S.; Hettich, S.; Khoo, G.; Dong Joon Kim; Klefstad, J.; Omori, K.; Pazzani, M.J.; Semler, D.; Starr, B.; Yap, P.

Journal: AI Magazine vol.18, no.2 p.47-56

Publisher: American Assoc. Artificial Intelligence,

Publication Date: Summer 1997 Country of Publication: USA

CODEN: AIMA EK ISSN: 0738-4602

SICI: 0738-4602(199722)18:2L:47:LPUP;1-1

Material Identity Number: H885-97003

U.S. Copyright Clearance Center Code: 0738-4602/97/\$2.00

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: This article describes three agents that help a **user** locate useful or interesting information on the World Wide Web. The agents learn a probabilistic **profile** to **find**, classify, or rank other sources of information that are likely to interest the **user**. The agents considered are SYSKILL & WEBERT, DICA, and GRANT LEARNER. The last notifies the **user** of research grant opportunities in his academic field. (9 Refs)

Subfile: C

Descriptors: information retrieval systems; Internet; probabilistic logic ; software agents

Identifiers: probabilistic **user profile** learning; **web sites**; web page **changes**; academic research grant opportunity location; World Wide Web; WWW; SYSKILL & WEBERT; DICA; GRANT LEARNER

Class Codes: C7250R (Information retrieval techniques); C7210 (Information services and centres); C4210 (Formal logic); C6170 (Expert systems)

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26/5/31 (Item 12 from file: 2)

DIALOG(R) File 2:INSPEC

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00409510 INSPEC Abstract Number: C72016607

Title: SDI-selective discrimination of information

Author(s): Tell, B.V.

Journal: Libri vol.21, no.1-3 p.193-200

Publication Date: 1971 Country of Publication: Denmark

Conference Title: UNESCO-Seminar on electronic data processing in libraries

Conference Sponsor: UNESCO

Conference Date: 13-18 April 1970 Conference Location: Regensburg, West Germany

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Applications (A); Practical (P)

Abstract: SDI-Selective Dissemination of Information represents a system for **alternating** participants of new publications such as journal articles, patents, conference papers etc. The acronym SDI has the special connotation that the process **makes use** of a computer. This is possible when the references to the literature are stored on magnetic tape. The technique for **searching** is so called 'free text- **search**', i.e. individual words or word combinations in the **user** '**profiles**' are **matched** with the words in the titles, abstracts etc. Thus the material needs not be indexed by the **use** of a thesaurus and a human indexer in order to be **searched**. This gives more flexibility. New words used by authors in titles or abstracts can be **searched** before they appear in authority lists. Word combinations not foreseen by the indexer can also be taken care of. The SDI-service of the Royal Institute of Technology, is described.

Subfile: C

Descriptors: information dissemination; information services

Identifiers: SDI; Selective Dissemination of Information; alerting participants; journal articles; patents; conference papers; stored on magnetic tape; **user profiles**; free text **search**

26/5/35 (Item 4 from file: 233)

DIALOG(R) File 233:Internet & Personal Comp. Abs.

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00489305 98OL03-016

Collectanea DeskTop Library: the future of corporate end- user searching ?

Duberman, Josh

Online , March 1, 1998 , v22 n2 p88-90, 3 Page(s)

ISSN: 0146-5422

Company Name: EBSCO Publishing

URL: <http://www.collectanea.com>

Product Name: Collectanea DeskTop Library Corporate **Edition**

Languages: English

Document Type: Software Review

Grade (of Product Reviewed); B

Geographic Location: United States

FOCUS ON column presents a favorable review of Collectanea DeskTop Library Corporate **Edition** (\$10,000) from EBSCO Publishing of Ipswich, MA (800, 978). Says the product is targeted at corporate intranet sites, and can provide integrated **searching** with a company's existing databases. Notes features include full-text articles, both natural language and Boolean **searching** , and a **Find Related Records** function. Says the content base consists of 1,600 periodicals and 750 pamphlets in full text, and abstracts fr additional titles. Adds that links to 6,000 Web resources are included, and notes the **Searchable** Subject Database is comprised o the Library of Congress subject headings. Says the product does n support retrieving multiple full-text articles in a single operation, or building multiple answer sets. Includes three screen displays and two sidebars. (JC)

Descriptors: Online **Searching** ; Online Information; **Search Engines**

Identifiers: Collectanea DeskTop Library Corporate **Edition** ; EBSCO Publishing

26/5/40 (Item 9 from file: 233)

DIALOG(R) File 233:Internet & Personal Comp. Abs.

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00242553 91DS06-006

Search services & gateways

Database Searcher , June 1, 1991 , v7 n5 p31-33, 3 Pages

ISSN: 0891-6713

Languages: English

Document Type: Feature Articles and News

Geographic Location: United States

Reports that SilverPlatter Information has announced publication of the European Corporations CD, a full-text file of the Annual Reports and Financial Statements of almost 3,000 quoted companies from 15 European countries, and will **update** monthly. Telebase Systems have announced an Electronic Clipping Service that **creates** current awareness profiles for **execution** against a range of databases; sources include full-text technical periodicals, corporate press releases, and Congressional proceedings, among others. Dow Jones News/Retrieval will screen incoming data for **records matching a user profile** and pull relevant stories throughout the day under the new //CLIP program, which **applies** primarily to a selection of exclusive Dow Jones newswires. (jo)

Descriptors: Online Information; News; Information Sources; Online Systems; Database

Identifiers: Silverplatter Information; Telebase Systems; Dow Jones News/Retrieval News/Retrieval

26/5/41 (Item 10 from file: 233)

DIALOG(R) File 233:Internet & Personal Comp. Abs.

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00241376 91DS05-009

Search services & gateways -- Life Science network grows...; NewsNet de-dupes NewsFlash; Newspapers, directory CD-ROM databases from UMI Database Searcher, May 1, 1991, v7 n4 p31-32, 2 Page(s)

ISSN: 0891-6713

Company Name: BIOSIS; NewsNet; University Microfilms International

Product Name: Life Science Network; NewsFlash; ProQuest; ProQuest PQ

Languages: English

Document Type: Feature Articles and News

Geographic Location: United States

Announces BIOSIS Connection's expansion into the Life Science Network. Now carries Connection's update and specialized files plus access to the BIOSIS Previews database and other databases in the life science area. Announces a new feature added to NewsFlash from NewsNet, Inc. Now lets searchers change their user profile with a 'Duplicate Hit Status' to prevent multiple notifications of headlines containing the key-word phrases used in the search profile. Also announces the addition of several newspapers now available as full-text CD-ROM databases on University Microfilms International's ProQuest. ProQuest PQ (\$2950 per year) is available for secondary schools. (SM)

Descriptors: Online Information; Database; Science; Newspapers

Identifiers: Life Science Network; NewsFlash; ProQuest; ProQuest PQ; BIOSIS; NewsNet; University Microfilms International

26/5/42 (Item 1 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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05029563 JICST ACCESSION NUMBER: 01A0851377 FILE SEGMENT: JICST-E

Increasing The Efficiency of The Meta- Search Engine Reflecting a User's Preference.

KITA TOSHIKI (1); KAMEI TOSHIYUKI (2); INOUE KATSUMI (2); HANEDA HIROMASA (2)

(1) Grad. Sch. of Sci. and Technol., Kobe Univ.; (2) Kobe Univ., Fac. of Eng.

Jinko Chino Gakkai Zenkoku Taikai Ronbunshu(Proceedings of the Annual Conference of JSAI), 2001, VOL.15th,NO.Vol.1, PAGE.1A4.03,1-3, FIG.3, REF.5

JOURNAL NUMBER: X0580AAA

UNIVERSAL DECIMAL CLASSIFICATION: 002.5:005 681.3:80

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Conference Proceeding

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

ABSTRACT: We propose a method of the information retrieval using a meta-search engine. The proposed meta-search engine considers a user's preference and guides search in the direction of desired information, and places emphasis on the accuracy of acquiring information. Using our meta-search engine, page scoring is influenced according to changes of words' importance by the user and the history of search. Though the emphasis is put on accuracy, our meta-search engine also reduces the response time within limits that do not make a user stressed. By this method, it is enabled to make Web search efficient and supply more comfortable search to the user. (author abst.)

DESCRIPTORS: information retrieval; automatic language processing; word; morpheme; order(sequence); system evaluation; similarity; document; preference; recall precision; analysis

IDENTIFIERS: morpheme analysis; importance; resemblance; precision

BROADER DESCRIPTORS: retrieval; computer application; utilization; information processing; treatment; vocabulary; mathematical relation; evaluation; property; resource(document); efficiency

CLASSIFICATION CODE(S): AC06020S; JE06000L

Set	Items	Description
S1	7505187	SEARCH? OR PURSU? OR SEEK? OR QUER? OR MATCH? OR FIND? OR - LOOK?
S2	6585043	RECEIV? OR ACCEPT? OR ADMIT? OR TAKE()IN OR RETRIEV? OR OB- TAIN?
S3	7351349	CLIENT? OR USER? OR VISITOR? OR SUBSCRIBER? OR MEMBER? OR - WORKSTATION OR WORK()STATION? OR NODE? OR TERMINAL? OR PROCES- SOR
S4	10554857	CREATE? OR GENERATE? OR PRODUCE? OR DEVELOP? ? OR ORIGINAT- E? OR MAKE?
S5	7874010	MODIF? OR UPDAT? OR CHANG? OR EDIT? OR REVIS? OR REVAMP? OR REWORK? OR ALTER? OR UP() (DATING OR DATE? ?)
S6	11953003	APPLY? OR APPLIES OR EMPLOY? OR IMPLEMENT? OR USE OR USES - OR UTILIZE? OR CARRY()OUT OR EXECUT? OR PRACTICE?
S7	44841	S1 (2N) (PROFILE? OR HISTORY? OR RECORD? OR (INDIVIDUAL OR - PERSONAL) ()SPECIFICATION?)
S8	70633	S3 (2N) (PROFILE? OR HISTORY? OR RECORD OR (INDIVIDUAL OR - PERSONAL) ()SPECIFICATION?) OR ACCOUNT()INFORMATION
S9	17421955	ADDING OR ADD OR ADDS OR INSERT? OR COMBIN? OR INCLUDE? OR UNITE? OR CONNECT? OR JOIN?
S10	5935848	SPECIF? OR DESIGNAT? OR DETERMIN? OR DENOT? OR POINT()OUT - OR APPOINT? OR ASSIGN? OR NOMINAT? OR STIPULAT? OR DECID? OR - SINGLE()OUT
S11	220643	S10 (3N) (SET OR SETS OR GROUP? OR COLLECTION? OR CATEGOR? OR CLASS? ?)
S12	84122	SEARCH()ENGINE? OR WEB()SEARCH()SITE?
S13	2420	S1 (S) S5 (S) S7 (S) S3
S14	32	S13 (S) S12
S15	10	S14 (S) S8
S16	356317	S4 (S) S5 (S) S1
S17	51	S16 (S) S6 (S) S7 (S) S8
S18	420	S16 (S) S6 (S) S7 (S) S3
S19	2	S9 (S) S7 (S) S1 (S) S11 (S) S12
S20	1	S6 (S) S7 (S) S1 (S) S11 (S) S12
S21	7	(S17 OR S18) (S) S12
S22	16	S15 OR S19 OR S20 OR S21
S23	13	S22 NOT PY>2001
S24	11	S23 NOT PD>20010104
S25	9	RD (unique items)

File 15:ABI/Inform(R) 1971-2004/Apr 13
(c) 2004 ProQuest Info&Learning

File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire

File 647:CMP Computer Fulltext 1988-2004/Apr W1
(c) 2004 CMP Media, LLC

File 275:Gale Group Computer DB(TM) 1983-2004/Apr 14
(c) 2004 The Gale Group

File 674:Computer News Fulltext 1989-2004/Apr W1
(c) 2004 IDG Communications

File 696:DIALOG Telecom. Newsletters 1995-2004/Apr 13
(c) 2004 The Dialog Corp.

File 624:McGraw-Hill Publications 1985-2004/Apr 13
(c) 2004 McGraw-Hill Co. Inc

File 636:Gale Group Newsletter DB(TM) 1987-2004/Apr 14
(c) 2004 The Gale Group

File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc

File 613:PR Newswire 1999-2004/Apr 14
(c) 2004 PR Newswire Association Inc

File 16:Gale Group PROMT(R) 1990-2004/Apr 14
(c) 2004 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group

File 553:Wilson Bus. Abs. FullText 1982-2004/Apr
(c) 2004 The HW Wilson Co

3ds

Set	Items	Description
S1	236030	SEARCH?(3N) (ENGINE?? OR SITE? OR PAGE? ? OR WEBSITE? OR WEBPAGE? OR PORTAL?) OR (INTERNET OR WEB OR ONLINE) (1W) DIRECT-OR? ?
S2	20106664	CLIENT? OR USER? OR SEARCH? OR INDIVIDUAL? OR CUSTOMER? OR PARTICIPANT? OR STUDENT? OR PERSON? ? OR REQUEST?R? OR MEMBER? OR ACCOUNT OR PATRON? OR CONSUMER?
S3	2408078	PROFIL? OR (PERSONAL OR DISTINGUISH? OR DIFFERENTIAT?) (1W) - (INFORMATION? OR DATA OR IDENTIFIER? OR FACT? OR ATTRIBUTE? OR CHARACTERIS? OR CHARACTERIZ? OR DESCRIPTION?)
S4	159034	S2(3N)S3
S5	13364883	MODIFY? OR MODIFI??? OR MODIFICATION? OR RESTRICT? OR CHANG??? OR EDIT??? OR MANIPULAT??? OR ADJUST? OR ALTER??? OR ALTERATION? OR APPLY????
S6	27341613	ADD??? OR JOIN??? OR APPEND? OR MERGE? OR MERGING OR ANNEX? OR ATTACH? OR UNITE? ? OR UNITING?
S7	3139044	REQUEST? ? OR SEARCH? ? OR QUERY OR QUERIES OR INQUIRY OR - INQUIRIES
S8	111854	(S5 OR S6) (3N) S7
S9	40	S1(S)S4(S)S8
S10	15	S9 NOT PD>2000
S11	15	S10 NOT PD>20010104
S12	12	RD (unique items)
S13	110771	(S6 OR REFIN? OR ENHANC? OR SYNCHRONIZ?) (5N) S7
S14	87900	S5(5N)S7
S15	410	S1 (S) (S13 OR S14) (S) 4
S16	116	S1(S) (S13 OR S14) (S) S4
S17	74	S16 NOT PY>2000
S18	36	RD (unique items)
S19	25	S18 NOT S12
S20	1504158	(CLIENT? OR USER OR USERS OR INDIVIDUAL? OR CUSTOMER? OR CONSUMER? OR PARTICIPANT? OR STUDENT? OR MEMBER?) (3N) (DATA OR INFORMATION OR CHARACTER?)
S21	349	S1(10N)S20(10N) (S13 OR S14)
S22	195	S1(10N)S8(10N)S20
S23	163	S22 NOT PY>2000
S24	76	RD (unique items)
S25	73	S24 NOT (S12 OR S19)

?show files

File 275:Gale Group Computer DB(TM) 1983-2004/Feb 23
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File 621:Gale Group New Prod.Annou.(R) 1985-2004/Feb 23
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File 636:Gale Group Newsletter DB(TM) 1987-2004/Feb 23
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(c) 1999 The Gale Group

File 148:Gale Group Trade & Industry DB 1976-2004/Feb 23
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File 13:BAMP 2004/Feb W2
 (c) 2004 Resp. DB Svcs.
File 47:Gale Group Magazine DB(TM) 1959-2004/Feb 23
 (c) 2004 The Gale group
File 98:General Sci Abs/Full-Text 1984-2004/Jan
 (c) 2004 The HW Wilson Co.
File 610:Business Wire 1999-2004/Feb 23
 (c) 2004 Business Wire.
File 613:PR Newswire 1999-2004/Feb 23
 (c) 2004 PR Newswire Association Inc
File 813:PR Newswire 1987-1999/Apr 30
 (c) 1999 PR Newswire Association Inc
?

?t s19/3,k/4,16,17,23

19/3,K/4 (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

02368193 SUPPLIER NUMBER: 59121009 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Looking for Stuff in All the Wrong Places? MSN and AOL Lead Pack of New
Search Engines. (Company Business and Marketing)**
Spring, Tom
PC World, 18, 1, 66
Jan, 2000
ISSN: 0737-8939 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1008 LINE COUNT: 00081

...ABSTRACT: industry mainstay Yahoo and are sometimes worse. Google and
Oingo are upstart services that combine **search engines** with new
technology; Google considers the number of links to a site, while Oingo
uses a combination of the Open Director Project and human **editors**. Albert
is a natural-language **search** service that generates a **profile** of the
user's search habits and fine-tune results accordingly. Flyswat and
GuruNet are browser plug-in...

19/3,K/16 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

11682139 SUPPLIER NUMBER: 57843004 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Intarka Brings New Web-Mining Solution To Market. (Brief Article)
Call Center Solutions, 18, 5, 38
Nov, 1999
DOCUMENT TYPE: Brief Article ISSN: 1521-0774 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 129 LINE COUNT: 00014

TEXT:

...data profiling that retrieves detailed company information from the
Web. ProspectMiner pulls information from 20 **search engines** and the
entire Web to identify companies that match the user-specified criteria,
then applies data **profiling** to **refine** the **search**. After viewing the
initial results, users can interactively rate the data, tightening the
search criteria...

19/3,K/17 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

09834434 SUPPLIER NUMBER: 19383933 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Surfing corporate intranets; search tools that control the undertow.
**(includes related articles on searching databases via an intranet and
intelligent search agents)**
Zorn, Peggy; Emanoil, Mary; Marshall, Lucy; Panek, Mary
Online, v21, n3, p30(16)
May-June, 1997
ISSN: 0146-5422 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 9276 LINE COUNT: 00779

... WebDynamics Spider <http://www.w3spider.com>
RELATED ARTICLE: Intelligent Search Agents
Intelligent search agents allow **users** to create **profiles** based on
their information needs and to simultaneously **search** selected **sites**
from the external Web, corporate intranet, newsgroups, etc. for the desired
information. It is similar...

...in traditional online searching, except that the intelligent agent can

learn from the results, thereby **refining** the **query** and returning more valuable information with each new search.

The degree to which intelligent agents...

19/3,K/23 (Item 1 from file: 13)

DIALOG(R)File 13:BAMP

(c) 2004 Resp. DB Svcs. All rts. reserv.

1043758 Supplier Number: 01038615 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Intelligent Search Agents

(Intelligent search agents explained)

Online Magazine, v 21, n 3, p 50

May 1997

DOCUMENT TYPE: Journal ISSN: 0146-5422 (United States)

LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 363

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

Intelligent search agents allow **users** to create **profiles** based on their information needs and to simultaneously **search** selected **sites** from the external Web, corporate intranet, newsgroups, etc. for the desired information. It is similar...

...in traditional online searching, except that the intelligent agent can learn from the results, thereby **refining** the **query** and returning more valuable information with each new search.

The degree to which intelligent agents...

?

?d's

Set	Items	Description
S1	23501	SEARCH?(3N) (ENGINE?? OR SITE? OR PAGE? ? OR WEBSITE? OR WE- BPAGE? OR PORTAL?) OR (INTERNET OR WEB OR ONLINE) (1W) DIRECT- OR? ?
S2	6697362	CLIENT? OR USER? OR SEARCH? OR INDIVIDUAL? OR CUSTOMER? OR PARTICIPANT? OR STUDENT? OR PERSON? ? OR REQUEST?R? OR MEMBER? OR ACCOUNT OR PATRON? OR CONSUMER?
S3	1664299	PROFIL? OR (PERSONAL OR DISTINGUISH? OR DIFFERENTIAT?) (1W)- (INFORMATION? OR DATA OR IDENTIFIER? OR FACT? OR ATTRIBUTE? OR CHARACTERIS? OR CHARACTERIZ? OR DESCRIPTION?)
S4	22312	S2(3N)S3
S5	10113246	MODIFY? OR MODIFI??? OR MODIFICATION? OR RESTRICT? OR CHA- NG??? OR EDIT??? OR MANIPULAT??? OR ADJUST? OR ALTER??? OR AL- TERATION? OR APPLY????
S6	7229767	ADD??? OR JOIN??? OR APPEND? OR MERGE? OR MERGING OR ANNEX? OR ATTACH? OR UNITE? ? OR UNITING?
S7	930511	REQUEST? ? OR SEARCH? ? OR QUERY OR QUERIES OR INQUIRY OR - INQUIRIES
S8	24646	(S5 OR S6) (3N) S7
S9	34235	(S5 OR S6) (5N) S7
S10	245612	(CLIENT? OR USER OR USERS OR INDIVIDUAL? OR CUSTOMER? OR C- ONSUMER? OR PARTICIPANT? OR STUDENT? OR MEMBER?) (3N) (DATA OR INFORMATION OR CHARACTER?)
S11	9	S1 AND S4 AND S8
S12	128	S1 AND (S4 OR S10) AND S9
S13	61	S12 NOT PY>2000
S14	51	RD (unique items)
S15	46	S14 NOT S11
S16	9456003	S6 OR (REFIN? OR ENHANC? OR SYNCHRONIZ?)
S17	39848	(S5 OR S16) (5N) S7
S18	193	S1 AND (S4 OR S10) AND S17
S19	92	S18 NOT PY>2000
S20	75	RD (unique items)
S21	30	S20 NOT S15

?show files

File 8: Ei Compendex(R) 1970-2004/Feb W3
(c) 2004 Elsevier Eng. Info. Inc.

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(c) 2004 ProQuest Info&Learning

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(c) 2003 EBSCO Pub.

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File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info

File 34:SciSearch(R) Cited Ref Sci 1990-2004/Feb W3
 (c) 2004 Inst for Sci Info
File 62:SPIN(R) 1975-2004/Jan W1
 (c) 2004 American Institute of Physics
File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Jan
 (c) 2004 The HW Wilson Co.

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?t' s15/5/2,13,20

15/5/2 (Item 2 from file: 8)
DIALOG(R) File 8: Ei Compendex(R)
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05648261 E.I. No: EIP00095319780

Title: Metaknowledge-based intelligent routing system (MIRS)
Author: Giladi, Ran; Glezer, Chanan; Melamoud, Nir; Ein-Dor, Phillip;
Etzion, Opher

Corporate Source: Ben-Gurion Univ of the Negev, Beer-Sheva, Isr
Source: Data and Knowledge Engineering v 34 n 2 Aug 2000. p 189-217
Publication Year: 2000
CODEN: DKENEW ISSN: 0169-023X
Language: English
Document Type: JA; (Journal Article) Treatment: T; (Theoretical)
Journal Announcement: 0010W3

Abstract: This paper addresses the issue of locating relevant information in a network of heterogeneous, unfederated information bases of various types, including structured databases, text, audio, picture and video files. The problem is to determine where the required information resides in a network, in locations unknown to the user. The objective is to construct a user-friendly, intelligent, search and routing mechanism in order to find the most relevant information bases in the network. We introduce a mechanism for presenting queries, routing queries, updating knowledge, and learning in a metaknowledge base (MKB). This has been named the metaknowledge-based intelligent routing system (MIRS). MIRS finds the location of the desired information by its ability to 'understand' the user's query and to access information by content, rather than by address. MIRS behaves like a distributed **search engine**, working with a distributed metaknowledge index-file. There is no need for periodic web-crawling, web-robots, or agents of any sort. The network itself encapsulates the knowledge and routing algorithms that provide the user access-by-content to the relevant information. Contrary to web servers, the specific MIRS servers are not linked by hypertext links, but rather by knowledge links, randomly acquired or expertly built. The system also differs from the usual **search engines** in that it is capable of handling different types of media (e.g., text, database, multimedia) and applies natural language parsing techniques to understand the intention of the user, as well as potentially use a **user - profile** to enhance the original query before distributing it over the network. The 'metadata' describing the information bases are spread across a network of routing and information servers and are **modified** as a result of **search** operations and introduction of new information bases into the system. (Author abstract) 28 Refs.

Descriptors: Knowledge based systems; Data communication systems; Information retrieval; **Search engines**; Query languages; Algorithms; Internet

Identifiers: Metaknowledge-based intelligent routing systems (MIRS)
Classification Codes:
723.4.1 (Expert Systems)
723.4 (Artificial Intelligence); 903.3 (Information Retrieval & Use);
723.5 (Computer Applications); 723.3 (Database Systems)
723 (Computer Software); 903 (Information Science)
72 (COMPUTERS & DATA PROCESSING); 90 (GENERAL ENGINEERING)

15/5/13 (Item 3 from file: 2)
DIALOG(R) File 2: INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6664921 INSPEC Abstract Number: C2000-09-7250N-029

Title: Obelix searches Internet using customer data
Author(s): Milutinovic, V.; Knezevic, P.; Radunovic, B.; Casselman, S.;
Schewel, J.
Author Affiliation: Belgrade Univ., Serbia
Journal: Computer vol.33, no.7 p.104-7

Publisher: IEEE Comput. Soc,
Publication Date: July 2000 Country of Publication: USA
CODEN: CPTRB4 ISSN: 0018-9162
SICI: 0018-9162(200007)33:7L:104:OSIU;1-8
Material Identity Number: C125-2000-007
U.S. Copyright Clearance Center Code: 0018-9162/2000/\$10.00
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P)

Abstract: One major problem with purchasing through the Web is locating reliable suppliers that offer the exact product or service you need. In the usual approach, you access an indexing based **search engine**, specify keywords for the purchase, and initiate the search. The outcome is typically a list ranked according to keyword matches; useful, but not always helpful. Keyword matches provide only one ingredient to finding the right Web sites. The ranking should also consider the satisfaction of previous customers purchasing from those sites, **customer profiles**, and **customer** behavior. The Obelix **search engine** uses reconfigurable technology to **apply customer** satisfaction data obtained from the Internet service provider infrastructure to refine its search criteria. The Obelix system collects **data** about **customer** activities, calculates a customer satisfaction index, and updates the **search engines** with its findings. (0 Refs)

Subfile: C

Descriptors: data analysis; information retrieval; Internet; **search engines**

Identifiers: Obelix; Internet searching; **customer data**; World Wide Web; reliable suppliers; indexing based **search engine**; keyword matches; previous customer satisfaction; **customer profiles**; customer behavior; Obelix **search engine**; reconfigurable technology; **customer** satisfaction **data**; Internet service provider infrastructure; search criteria; Obelix system; customer activities; customer satisfaction index

Class Codes: C7250N (Search engines); C7210N (Information networks); C7250R (Information retrieval techniques); C6130 (Data handling techniques)

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15/5/20 (Item 10 from file: 2)

DIALOG(R) File 2:INSPEC

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5962715 INSPEC Abstract Number: C9808-7250N-009

Title: **WebAssist: a user profile specific information retrieval assistant**

Author(s): Kurzke, C.; Galle, M.; Bathelt, M.

Author Affiliation: Erlangen Univ., Germany

Journal: Computer Networks and ISDN Systems Conference Title: Comput. Netw. ISDN Syst. (Netherlands) vol.30, no.1-7 p.654-5

Publisher: Elsevier,

Publication Date: April 1998 Country of Publication: Netherlands

CODEN: CNISE9 ISSN: 0169-7552

SICI: 0169-7552(199804)30:1/7L:654:WUPS;1-3

Material Identity Number: I876-98002

U.S. Copyright Clearance Center Code: 0169-7552/98/\$19.00

Conference Title: 7th International World Wide Web Conference

Conference Date: 14-18 April 1998 Conference Location: Brisbane, Qld., Australia

Document Number: S0169-7552(98)00092-0

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Applications (A); General, Review (G)

Abstract: Despite the ever-increasing information available on the Internet today, finding accurate information for a specific topic becomes more and more difficult. This paper describes the concept of a proxy-based information classification and filtering utility, named WebAssist. On the behalf of users a private view of the WWW is generated based on a previously determined profile. This profile is created by monitoring the

user (and group) activities when browsing WWW pages. Additional features are integrated to allow for easy interoperability in workgroups with similar project interests, maintain personal and common hotlists with automatic **modification** checks and a sophisticated **search engine** front-end. The proxy architecture allows easy configurability using standard Web browsers and eliminates the necessity to install additional platform-specific software. (0 Refs)

Subfile: C

Descriptors: classification; information retrieval; Internet; online front-ends; open systems; user modelling

Identifiers: WebAssist; **user profile** ; information retrieval assistant ; Internet; proxy-based information classification; filtering utility; WWW; interoperability; workgroups; hotlists; modification checks; **search engine** front-end; configurability; Web browsers

Class Codes: C7250N (Front end systems for online searching); C7250R (Information retrieval techniques); C7210 (Information services and centres); C7240 (Information analysis and indexing); C6180G (Graphical user interfaces)

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?t s21/5/2,4,12

21/5/2 (Item 2 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

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05768196 E.I. No: EIP01015493574

Title: Adaptive user profile modeling agent in corporate information retrieval systems

Author: Mamadou, Sangare; Yang, Canjun; Ye, Bing; Chen, Ying

Corporate Source: Zhejiang Univ, Zhejiang, China

Source: Chinese Journal of Mechanical Engineering (English Edition) v 13 n SUPPL. Oct 2000. p 1-6

Publication Year: 2000

CODEN: CJMEER ISSN: 1000-9345

Language: English

Document Type: JA; (Journal Article) Treatment: T; (Theoretical)

Journal Announcement: 0103W1

Abstract: The **user** interacts with the **information** retrieval system through interface agents by formulating queries. Queries are formulated in keywords or natural language expressions. Keywords do not express the domain and task contexts and natural language queries processing are still inefficient. Query formulation is a very determinant factor of the efficiency of the whole system. A method to take into account the task/domain context query formulation problem is discussed. The system through a feedback loop learns the **user**'s **profile** and builds a set of ad hoc search agents as user customized path. This method has been tested in Hydraulics, Pneumatics and Seals web robot (HPSBot) a multi agents information retrieval system. HPSBot is a corporate project initiated by the State Key Laboratory of Fluid Power to fill the gap between the increasing corporate information need and the state of the information retrieval technology. (Author abstract) 9 Refs.

Descriptors: Information retrieval systems; Usability engineering; Multi agent systems; Adaptive systems; User interfaces; Mathematical models; Query languages; Feedback; Learning systems; **Search engines**

Identifiers: **User profile** ; **Query** formulation; **Query refining** ; Expected utility

Classification Codes:

723.1.1 (Computer Programming Languages)

703.2 (Electric Filters); 722.2 (Computer Peripheral Equipment); 723.4 (Artificial Intelligence); 921.6 (Numerical Methods); 723.1 (Computer Programming)

703 (Electric Circuits); 722 (Computer Hardware); 723 (Computer Software); 921 (Applied Mathematics)

70 (ELECTRICAL ENGINEERING); 72 (COMPUTERS & DATA PROCESSING); 92 (ENGINEERING MATHEMATICS)

21/5/4 (Item 4 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

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05621416 E.I. No: EIP00085278855

Title: Obelix searches Internet using customer data

Author: Milutinovic, Veljko; Knezevic, Predrag; Radunovic, Bozidar; Casselman, Steve; Schewel, John

Corporate Source: Univ of Belgrade, Belgrade, Yugosl

Source: Computer v 33 n 7 Jul 2000. p 104-107

Publication Year: 2000

CODEN: CPTRB4 ISSN: 0018-9162

Language: English

Document Type: JA; (Journal Article) Treatment: G; (General Review)

Journal Announcement: 0009W3

Abstract: Reconfigurable chips allow user-tailored Internet searches. The first step is collecting **customer data**. After this, the **search engine** like Obelix leads the way. Obelix uses reconfigurable technology to apply **customer satisfaction data** obtained from the Internet service

provider infrastructure to **refine** its **search** criteria. The Obelix system collects **data** about the **customer** activities, calculates customer satisfaction index, and updates the **search engines** with its findings.

Descriptors: **Search engines** ; Data communication systems; Web browsers ; Data acquisition; Data reduction; Computer architecture; Network protocols; Database systems; Computer systems programming; Computer peripheral equipment

Identifiers: Internet protocol (IP); Peripheral component interconnect (PCI) cards

Classification Codes:

723.2 (Data Processing); 723.3 (Database Systems); 723.1 (Computer Programming); 722.2 (Computer Peripheral Equipment)

723 (Computer Software); 722 (Computer Hardware)

72 (COMPUTERS & DATA PROCESSING)

21/5/12 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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6616005 INSPEC Abstract Number: C2000-07-7250R-045

Title: Personalize Web search using information on client 's side

Author(s): Meng, X.; Chen, Z.

Author Affiliation: Dept. of Comput. Sci., Texas Univ., Edinburg, TX, USA

Conference Title: Fifth International Conference for Young Computer Scientists. ICYCS'99. Advances in Computer Science and Technology Part vol.2 p.985-92 vol.2

Editor(s): Luo, J.; Xu, B.; Wang, Y.; Li, X.; Lu, J.

Publisher: Int. Acad. Publishers, Beijing, China

Publication Date: 1999 Country of Publication: China 2 vol. xxii+1083 pp.

ISBN: 7 80003 445 3 Material Identity Number: XX-2000-00943

Conference Title: Proceedings of ICYCS'99: Fifth International Conference for Young Computer Scientists

Conference Sponsor: China Comput. Federation; Nat. Natural Sci. Found. China; K C Wong Educ. Found.; et al

Conference Date: 17-20 Aug. 1999 Conference Location: Nanjing, China

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: **Search engines** produce tremendous amounts of information for a given search keyword. Yet few are able to provide very accurate search results in a relatively short list. Different solutions have been proposed and tested. Some use personalized accounts on the server side; others collect user's preferences; yet others store **user information** on proxy servers to alleviate the load on the **search engines**. The most difficult issue with these strategies is privacy. Users are reluctant to submit their personal preferences and other information to the **search engines**. We propose a mechanism that **refines** the **search** results using personalized information, yet keeps the information from being accessed by **search engines** and general public. We build a personal profile using the word frequencies from the files that the user has on her computer. This profile is used to aid the filtering of search results sent back by **search engines**. This method improves **search** accuracy without sacrificing user privacy. (7 Refs)

Subfile: C

Descriptors: data privacy; information needs; information resources; information retrieval; Internet; **search engines**

Identifiers: personalized Web search; **search engines** ; search keyword; search results; user preferences; proxy servers; user privacy; personal profile; word frequencies; information filtering; World Wide Web

Class Codes: C7250R (Information retrieval techniques); C7210N (Information networks); C7220 (Generation, dissemination, and use of information); C7250N (Search engines)

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Set	Items	Description
S1	7966	SEARCH?(3N) (ENGINE?? OR SITE? OR PAGE? ? OR WEBSITE? OR WE- BPAGE? OR PORTAL?) OR (INTERNET OR WEB OR ONLINE) (1W) DIRECT- OR? ?
S2	1664105	CLIENT? OR USER? OR SEARCH? OR INDIVIDUAL? OR CUSTOMER? OR PARTICIPANT? OR STUDENT? OR PERSON? ? OR REQUEST?R? OR MEMBER? OR ACCOUNT OR PATRON? OR CONSUMER?
S3	251103	PROFIL? OR (PERSONAL OR DISTINGUISH? OR DIFFERENTIAT?) (1W)- (INFORMATION? OR DATA OR IDENTIFIER? OR FACT? OR ATTRIBUTE? OR CHARACTERIS? OR CHARACTERIZ? OR DESCRIPTION?)
S4	20808	S2(3N)S3
S5	1676178	MODIFY? OR MODIFI??? OR MODIFICATION? OR RESTRICT? OR CHA- NG??? OR EDIT??? OR MANIPULAT??? OR ADJUST? OR ALTER??? OR AL- TERATION? OR APPLY????
S6	1251297	ADD??? OR JOIN??? OR APPEND? OR MERGE? OR MERGING OR ANNEX? OR ATTACH? OR UNITE? ? OR UNITING?
S7	1774137	REQUEST? ? OR SEARCH? ? OR QUERY OR QUERIES OR INQUIRY OR - INQUIRIES
S8	167956	(S5 OR S6) (3N) S7
S9	49	S1(S)S4(S)S8
S10	41	S9 AND IC=G06F?
S11	172756	(S5 OR S6) (5N)S7
S12	63	S1(S)S4(S)S11
S13	53	S12 AND IC=G06F?
S14	15	S13 NOT S10

?show files

File 348:EUROPEAN PATENTS 1978-2004/Feb W03

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File 349:PCT FULLTEXT 1979-2002/UB=20040219,UT=20040212

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?t s10/3,k/1,2,5,7,8,14,17,29,39

10/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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01630230

Process for storing and retrieving a document within a knowledge base of documents

Methode zum Speichern und Recherchieren eines Dokuments in einer Wissensbasis von Dokumenten

Methode pour stocker et recuperer un document dans une base de connaissance
PATENT ASSIGNEE:

Hewlett-Packard Company, (206037), 3000 Hanover Street, Palo Alto, CA
94304, (US), (Applicant designated States: all)

INVENTOR:

Delic, Kemal, 15, rue de Bonne, 38000 Grenoble, (FR)

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(FR)

PATENT (CC, No, Kind, Date): EP 1345132 A1 030917 (Basic)

APPLICATION (CC, No, Date): EP 2002354046 020314;

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-017/30

ABSTRACT WORD COUNT: 141

NOTE:

Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200338	1108
SPEC A	(English)	200338	5253
Total word count - document A			6361
Total word count - document B			0
Total word count - documents A + B			6361

INTERNATIONAL PATENT CLASS: G06F-017/30

...ABSTRACT A1

Process for storing and retrieving a document in a repository being indexed by a **search engine**, said process involving the steps of:

- applying to each document a first classification based on the **profile** of a **user** who is likely to access to the repository;
- **applying** a **query** formulated by said user to said **search engine** for the purpose of producing a list of references of documents;
- reducing said list of...

...by eliminating from said lists the documents and references which do not correspond to the **user 's profile** ;

- displaying said reduced list to said user.

Preferably, a second level of classification is being...

...SPECIFICATION process for storing and retrieving a document in a repository that is indexed by a **search engine**, said process comprising the steps of:

- applying to each document a first classification based on the **profile** of a **user** who is likely to access the repository;
- **applying** a **query** formulated by said user to said **search engine** for the purpose of producing a list of references of documents;
- reducing said list of references by eliminating from said list references which do not correspond to the **user 's profile** ;
- displaying said reduced list to said user.

Preferably, the repository is a repository of problem...

...CLAIMS Process for storing and retrieving a document in a repository that is indexed by a **search engine**, said process comprising the steps of:

- applying to each document a first classification based on the **profile** of a **user** who is likely to access the repository;
- **applying** a **query** formulated by said user to said **search engine** for the purpose of producing a list of references of documents;
- reducing said list of references by eliminating from said list references which do not correspond to the **user**'s **profile**;
- displaying said reduced list to said user.

2. Process as claimed in claim 1 wherein...classes.

22. Process for retrieving a document from a repository that is indexed by a **search engine**, said process comprising the steps of:

- **applying** a **query** formulated by said user to said **search engine** for the purpose of producing a list of references of documents;
- reducing said list of references by eliminating from said list references which do not correspond to the **user**'s **profile**;
- displaying said reduced list to said user.

23. Process as claimed in any claim 22...

10/3,K/2 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01358740

Single click data synchronization of public and private data

Synchronisation von öffentlichen und privaten Daten mit einem einzigen Klick

Synchronisation de donnees publiques et privees par un seul click

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PATENT (CC, No, Kind, Date): EP 1158438 A2 011128 (Basic)

APPLICATION (CC, No, Date): EP 2001304418 010518;

PRIORITY (CC, No, Date): US 205844 P 000519

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

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CLAIMS A	(English)	200148	1111
SPEC A	(English)	200148	5786
Total word count - document A			6897
Total word count - document B			0
Total word count - documents A + B			6897

INTERNATIONAL PATENT CLASS: **G06F-017/60**

...SPECIFICATION In a further aspect, the step of determining may comprise searching using a web-based **search engine** to ascertain public HTML

data which the user wishes to record as a file and synchronize to the user's **personal information** space. In a third aspect, the user may search public records for address and contact...

...and identify that information as being that which the user desires to add to his **personal information** space. In yet another embodiment, the user may identify a public event, such as a...

...provider, and identify the event as that which the user wishes to synchronize to the user's **personal information** space. In a further embodiment, selection of the data to be synchronized can be automatic...

...a user may associate an event such as an airline reservation with an automatic synchronization **request** which will update **changes** to public based data when changes in the data occur, and optionally notify the user
...

10/3,K/5 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01041473 **Image available**

SYSTEM FOR PERMISSION-BASED COMMUNICATION AND EXCHANGE OF INFORMATION
SYSTEME POUR COMMUNICATIONS FONDEES SUR DES AUTORISATIONS ET POUR L'ECHANGE D'INFORMATIONS

Patent Applicant/Assignee:

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(Residence), AU (Nationality), (Designated only for: US)

Patent and Priority Information (Country, Number, Date):

Patent: WO 200371446 A1 20030828 (WO 0371446)

Application: WO 2003AU203 20030219 (PCT/WO AU0300203)

Priority Application: AU 2002632 20020219; AU 2002950706 20020812

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO
RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT SE SI
SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 27260

Main International Patent Class: **G06F-017/30**

Fulltext Availability:

Detailed Description

Detailed Description

... engine website interface, as seen in Figure 52.

This keyword will be added to the **Account** Holder's **profile**. The **Account** Holder is also **added** to internet **search engine**'s proprietary pureprofile target market called "home loans" which is made up of pureprofile Account...

10/3,K/7 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00959184 **Image available**

SERVICE DISCOVERY ACCESS TO USER LOCATION

**SYSTEME D'ACCES PERMETTANT A L'UTILISATEUR DE DECOUVRIR DES SERVICES PAR
RAPPORT A SON EMPLACEMENT**

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FI (Nationality)

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200293290 A2 20021121 (WO 0293290)

Application: WO 2002IB1586 20020508 (PCT/WO IB0201586)

Priority Application: US 2001854627 20010515

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KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 11967

Main International Patent Class: **G06F**

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... The server then returns the selected documents to user.

As was described above, the knowledge **engine** server associates the **search** handle with user's selections and with the user's search strategy, storing that association in **user** 's **profile** . Similarly, the **user** 's last registered or entered location is stored and updated in the **user** 's **profile** . Thus, any subsequent **queries** may be **adjusted** to a user location.

DESCRIPTION OF THE FIGURES.

Figure I is a network diagram of...

Claim

... a business name;

transmitting the search handle, location handle and query terms to a knowledge **engine** server;

searching web **sites** using URLs contained in stored binding templates; retrieving documents resulting from the **search** of the web **sites** ; and applying a location filter prescribed by the user and stored in the **user** 's **profile** , to limit the returned documents to only those of particular interest or location to the location data to the location handle

and hotkey switch;

entering at least one **query** term;

appending geographical location to the query through the activation of the hotkey switch;

sending a find-business XA4L inquiry to the UDDI registry in response to the entered **query** terms with **appended** location data; and receiving back from the UDDI registry, a businessList message that contains a...

10/3,K/8 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00959183 **Image available**

MOBILE WEB UTILIZING SERVICES
SERVICES UTILISANT LE WEB MOBILE

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200293289 A2-A3 20021121 (WO 0293289)

Application: WO 2002IB1585 20020508 (PCT/WO IB0201585)

Priority Application: US 2001854619 20010515; US 200278353 20020221

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KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

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Fulltext Word Count: 16609

Main International Patent Class: G06F-017/30

Fulltext Availability:

Detailed Description

Detailed Description

... query to the terminal for enabling a direct request from terminal to a preferred **search engine** or system. Post-processing capabilities for searches received from the knowledge engine may also be...

...queries on behalf of the terminal. When search results are received back to the knowledge **engine** or terminal, the **search** results may be filtered or prioritized and sorted based on **user profile** information available to the knowledge engine. Additional components may be **added** to the **search** to enable ...the invention. A user's device, or terminal 600, communicates through network 601 to knowledge **engine** server 602 and **search engine** server 603. The terminal 600, knowledge **engine** server 602 and **search engine** server 603 are provided with platforms 615, 621, and 622. Terminal 600 is provided with...search processor 616 in the knowledge engine server 602. Once a link is established with **search** processor 616, knowledge **engine** 617 processes the request to match a **user / customer** identity and **profile**, stored in **customer profile** database 618. Knowledge engine 617 utilizes **user profiles** and preferences, as well as user terminal capabilities, to **modify** the **search request** and match the **search** with the **customer profile** information. The **modified request** is then sent back to request pre-processing 614 and to **search** function 612. The **modified search**

27

request is then transmitted to **search engine** (or UDDI operator

Bad date

site) 619, located in search engine server 603.

At this point, search engine 619 may further initiate modifications to the request in accordance with customer profile 620, which is also located in search engine server 603.

Customer profile 620 contains additional information about a user from the search engine...

10/3,K/14 (Item 11 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00874877 **Image available**

METHOD AND APPARATUS FOR USER INTEREST MODELLING

PROCEDE ET DISPOSITIF DE MODELISATION DE L'INTERET D'UN UTILISATEUR

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200208989 A1 20020131 (WO 0208989)

Application: WO 2000NL515 20000721 (PCT/WO NL0000515)

Priority Application: WO 2000NL515 20000721

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DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

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Fulltext Word Count: 7774

Main International Patent Class: G06F-017/60

Fulltext Availability:

Claims

Claim

... Learning and Personalization via feedback on query profile [Fig. 5,
arrow j I 0 9. Query Profile merged back into the user profile
(General Profile + profile
extension) [Fig. 1, arrow h, Fig. 5, arrow k
Step 1. Query acquisition always initiates...

...like, "I would like to buy a new car", or keywords as is common in
Search Engines, "car new buy". In other embodiments making use of this
invention, it may take on...

...to, an outside source making a request. Proactive queries can be
generated internally by the user profile itself (Fig. 2, arrow a)

based upon its current configuration. Step 2. The second step...

...most simple of instantiations, a logic module is nothing more than an interface between the **client** and the **profile**. In this case, the HTML interface as described above would be an aspect of the...extension. Following the docking procedure is the interpretation of the query by this new seamless **profile**, a **user profile**, which we term as query expansion (Fig. 1, arrow c, Fig. 5, arrow b). Query expansion is the creation of the query profile by expanding the query on the **user profile**. A QP is a miniature UP, containing nodes, links, and attributes. The idea here is to extract from the **user profile** the most relevant information needed for or related to a query. As each query is expanded upon the client's **individual** and personalized **user profile**, the resulting query profile will be unique to the client at this time-step. It should be noted that after a complete cycle including feedback the contents of the **user profile** are altered, thus resulting in a different query profile given the exact same query. This is the essence of the adaptation and learning in this **user profile** invention. Of course, this information extraction can be done in a variety of methods as...

...Spreading Activation is an effective method that makes maximal use of the structure of the **user profile** to iteratively traverse the concepts and links and determine the most relevant concepts pertaining to a query. The spreading activation technique is a variant of Constrained Spreading Activation.

User profiles consist of a network of interconnected nodes. These nodes represent 'concepts'. Lets call a single...

...The first stage is to match the query concepts with concepts that exist within the **user profile**. If one or more of these query terms matches a node in the network, we...

...just the original query itself, and query expansion is skipped. In other words, if the **user profile** contains no knowledge pertaining to the specified query, then it cannot extract any more useful...

...obtain results from one or more of the following three sources: a data source, other **user profiles**, or the query profile itself These results are then interpreted by the logic module and...set along to the Data Source, which in this case might be a standard Internet **Search Engine**. The query **profile** can create any number of Sets that I O it deems necessary in order to...

...quite easily extracted as outlined above. Moreover, query profiles obtained from other Profiles can be **merged** -into the original **query** profile, thus allowing the original client's UP to learn from more sources. Ste-P...

...conducting query searches for information on the Internet, it is typically the case that online **search engines** return to user web pages that are either irrelevant or "not quite what I wanted". The reason is that **search engines** work by requiring the entry of one or more 'keywords', which are supposed to 'describe...

...the user. The problem is that in reality, it is necessary to specify to the **search engine** a long and very narrowly defined set of keywords in order to get back I...is to endow a software agent with these characteristics. The agent becomes personal because the **user profile** (this invention) models the interests of the user, and the agent acts intelligently because the agent is able to use the information contained in the **user profile** for any number of tasks. Continuing with this example, assume an Internet user has just...

...use her own personal intelligent agent. This agent is constructed from this present invention, the **user profile**. Upon creating her agent, she is asked a number of questions pertaining to her general...

...the keyword 'Italian' under the 'food' section. This information is used to create her initial **user profile**, which will consist of a set of concepts consistent across the **user profiles** of all **persons** who sign-up with this brand of software agent. Following the creation of the agent...

...of finding a recipe, her agent does three things. First, the agent looks into her **user profile**, knowing that 'Crecipe' is associated with food. The **user profile** 'tells' the agent that there is an association between the keywords 'food' and 'recipe' and...

...permutations of these keywords. Next, the agent is put into contact with other agents whose **user profiles** are very similar to the female in this example. The **user profiles** of these similar agents 'tell' her agent that there is an association between 'Italian', 'food'...

...permutations of these keywords. Now the agent submits these sets of query strings to **search engines**, and a large set of URLs associated with these keywords is returned to the agent...

...lists a number of great recipes. Now the agent uses this feedback to update her **user profile** with the keywords 'Italy', 'Europe', and 'Crestaurant'. In addition, the URL to this recipe web page is stored within the **user profile** alongside these keywords. Continuing with this example, sometime later, she decides to use the travel...

...She submits only the keyword 'Europe' to her agent. The agent again looks into her **user profile**, and the association between 'Europe' and 'Italy' is found, resulting in the keyword 'Italy' being **added** to a **query** string. The agent submits the query strings to travel search databases, and information pertaining to travel packages to Italy is returned. This example illustrates how the **user profile** is able to assist in finding personalized information on the Internet with a minimum of...

10/3,K/17 (Item 14 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00848524 **Image available**

SYSTEM AND METHOD FOR DETERMINING USER IDENTITY FRAUD USING SIMILARITY SEARCHING

SYSTEME ET PROCEDE DE DETERMINATION DE FRAUDE A L'IDENTITE UTILISATEUR PAR RECHERCHE DE SIMILITUDE

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200182141 A1 20011101 (WO 0182141)

Application: WO 2001US13518 20010426 (PCT/WO US0113518)

Priority Application: US 2000201073 20000426; US 2001681530 20010424

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LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

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Publication Language: English
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Fulltext Word Count: 4010

Main International Patent Class: G06F-017/30
International Patent Class: G06F-011/30
Fulltext Availability:
Detailed Description

Detailed Description
... identity fraud.

FIG. 3 illustrates a system architecture for identifying user identity fraud involving similarity searching a new user profile against a set of denied user profiles, in accordance with one embodiment of the current invention. When new user information 301 is provided to the system, it is submitted to the similarity search engine (SSE) batch search component 302. The search component 302 uses ...new user information 301 by taking each tagged piece of information contained in the new user profile and adding it to a query with the same tag. The search component 302 then transmits the search request 303 to the similarity search engine server 305.

The search request 303 is received into the Gateway component of the similarity search engine server 305...

10/3,K/29 (Item 26 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00764263 **Image available**

A PROCESS FOR IMPROVING SEARCH ENGINE EFFICIENCY USING USER FEEDBACK
UTILISATION DES RETOURS D'INFORMATIONS DES UTILISATEURS POUR AMELIORER
L'EFFICACITE DES MOTEURS DE RECHERCHE

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200077689 A1 20001221 (WO 0077689)

Application: WO 2000US16224 20000614 (PCT/WO US0016224)

Priority Application: US 99334327 19990616

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English
Filing Language: English
Fulltext Word Count: 10008

Main International Patent Class: G06F-017/30
Fulltext Availability:
Detailed Description

English Abstract

A process for refining the results of a query to an Internet **search engine** database by the use of user feedback is disclosed. It is a method to allow...

...a specific query. The relevancy ratings for a specific query are combined by the Internet **search engine** with data from a **user profile** of **personal information** defined by the **user** (106). The Internet **search engine** can determine which items of data in the profile are common between users who have rated a query result highly. The **search engine** can then **modify** the **search** algorithm (107) to return those URLs rated highly by users with common profile attributes (108...

Detailed Description

... for a specific query are combined by the Internet search engine with data from a **user profile** of **personal information** defined by the **user** (106). The Internet search engine can determine which items of data in the profile are common between users who have rated a query result highly. The **search engine** can then **modify** the **search** algorithm (107) to return those URLs rated highly by users with common profile attributes (108...

10/3,K/39 (Item 36 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00445902 **Image available**

AN ASSOCIATIVE SEARCH ENGINE

MACHINE DE RECHERCHE ASSOCIATIVE

Patent Applicant/Assignee:

NORTHERN TELECOM LIMITED,

Inventor(s):

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LIVERMORE Frederick Caldwell,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9836366 A1 19980820

Application: WO 98CA86 19980204 (PCT/WO CA9800086)

Priority Application: US 97798747 19970213

Designated States: CA JP AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Fulltext Word Count: 3895

Main International Patent Class: G06F-017/30

Fulltext Availability:

Detailed Description

Detailed Description

... order

that a toll for bringing a buyer and seller together may be extracted.

Moreover, **user profile** data may be maintained on end user device 12 and accessed by the associative **search engine** 18. The **profile** data contains, for example, end user preferences and previous search arguments which may be used...

...arguments received

with the search request to select a best fit product advertisement. The associative **search engine** 18 retrieves and updates the profile data on the device 12, using appropriate messages exchanged over the communications link 14. For example, the search arguments from the current **search** session may be **added** to the **user profile** data.

Turning to the system illustrated in Figure 2, the
advertising machine 30 (similar to...

?

14/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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01165745

Information providing method and apparatus, and information reception
apparatus

Informationsbereitstellungsverfahren und Gerat, und Informationsempfangsger
at

Dispositif et procede de mise a disposition d'informations, et dispositif
de reception d'informations

PATENT ASSIGNEE:

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Kawasaki-shi, Kanagawa-ken 210-8572, (JP), (Applicant designated
States: all)

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LEGAL REPRESENTATIVE:

Midgley, Jonathan Lee (85971), Marks & Clerk 57-60 Lincoln's Inn Fields,
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PATENT (CC, No, Kind, Date): EP 1016991 A2 000705 (Basic)
EP 1016991 A3 020213

APPLICATION (CC, No, Date): EP 99310597 991224;

PRIORITY (CC, No, Date): JP 98372746 981228

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-017/30

ABSTRACT WORD COUNT: 120

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200027	870
SPEC A	(English)	200027	6668
Total word count - document A			7538
Total word count - document B			0
Total word count - documents A + B			7538

INTERNATIONAL PATENT CLASS: G06F-017/30

...ABSTRACT type of information is acquired, and the feature data is stored
into the database (103) **added** to the multimedia information. A **search**
engine (105) extracts partial images of user's interest from the
multimedia information on the basis of the feature data and a **user**
profile data. A link section (106) associates the representative images
(still images) of the partial images...

?

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Set	Items	Description
S1	3210	SEARCH?(3N) (ENGINE?? OR SITE? OR PAGE? ? OR WEBSITE? OR WE- BPAGE? OR PORTAL?) OR (INTERNET OR WEB OR ONLINE) (1W) DIRECT- OR? ?
S2	2293179	CLIENT? OR USER? OR SEARCH? OR INDIVIDUAL? OR CUSTOMER? OR PARTICIPANT? OR STUDENT? OR PERSON? ? OR REQUEST?R? OR MEMBER? OR ACCOUNT OR PATRON? OR CONSUMER?
S3	198622	PROFIL? OR (PERSONAL OR DISTINGUISH? OR DIFFERENTIAT?) (1W)- (INFORMATION? OR DATA OR IDENTIFIER? OR FACT? OR ATTRIBUTE? OR CHARACTERIS? OR CHARACTERIZ? OR DESCRIPTION?)
S4	9595	S2 (3N) S3
S5	3341545	MODIFY? OR MODIFI??? OR MODIFICATION? OR RESTRICT? OR CHA- NG??? .OR EDIT??? OR MANIPULAT??? OR ADJUST? OR ALTER??? OR AL- TERATION? OR APPLY????
S6	2980874	ADD??? OR JOIN??? OR APPEND? OR MERGE? OR MERGING OR ANNEX? OR ATTACH? OR UNITE? ? OR UNITING?
S7	216149	REQUEST? ? OR SEARCH? ? OR QUERY OR QUERIES OR INQUIRY OR - INQUIRIES
S8	6971	(S5 OR S6) (3N) S7
S9	4	S1 (S) S4(S) S8
S10	9537	(S5 OR S6) (5N) S7
S11	8	S1 AND S4 AND S10
S12	4	S11 NOT S9

?show files

File 350:Derwent WPIX 1963-2004/UD,UM &UP=200412

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File 347:JAPIO Oct 1976-2003/Oct(Updated 040202)

(c) 2004 JPO & JAPIO

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Set	Items	Description
S1	3210	SEARCH?(3N) (ENGINE?? OR SITE? OR PAGE? ? OR WEBSITE? OR WE- BPAGE? OR PORTAL?) OR (INTERNET OR WEB OR ONLINE) (1W) DIRECT- OR? ?
S2	2293179	CLIENT? OR USER? OR SEARCH? OR INDIVIDUAL? OR CUSTOMER? OR PARTICIPANT? OR STUDENT? OR PERSON? ? OR REQUEST?R? OR MEMBER? OR ACCOUNT OR PATRON? OR CONSUMER?
S3	198622	PROFIL? OR (PERSONAL OR DISTINGUISH? OR DIFFERENTIAT?) (1W)- (INFORMATION? OR DATA OR IDENTIFIER? OR FACT? OR ATTRIBUTE? OR CHARACTERIS? OR CHARACTERIZ? OR DESCRIPTION?)
S4	9595	S2(3N)S3
S5	3341545	MODIFY? OR MODIFI??? OR MODIFICATION? OR RESTRICT? OR CHA- NG??? OR EDIT??? OR MANIPULAT??? OR ADJUST? OR ALTER??? OR AL- TERATION? OR APPLY????
S6	2980874	ADD??? OR JOIN??? OR APPEND? OR MERGE? OR MERGING OR ANNEX? OR ATTACH? OR UNITE? ? OR UNITING?
S7	216149	REQUEST? ? OR SEARCH? ? OR QUERY OR QUERIES OR INQUIRY OR - INQUIRIES
S8	6971	(S5 OR S6) (3N) S7
S9	9537	(S5 OR S6) (5N)S7
S10	132826	(CLIENT? OR USER OR USERS OR INDIVIDUAL? OR CUSTOMER? OR C- ONSUMER? OR PARTICIPANT? OR STUDENT? OR MEMBER?) (3N) (DATA OR - INFORMATION OR CHARACTER?)
S11	8	S1 AND S4 AND S9
S12	36	S1 AND S10 AND S9
S13	35	S12 AND IC=G06F?
S14	30	S13 NOT S11
?		

?t s9/5/1-4

9/5/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015671216 **Image available**

WPI Acc No: 2003-733403/200370

XRPX Acc No: N03-586330

Document storage and retrieval method in computer system, involves categorizing documents stored in database, by assigning FIX, STEP NOTE and TECH NOTE tags to documents, based on profile of user

Patent Assignee: HEWLETT-PACKARD CO (HEWP)

Inventor: DELIC K; DOUILLET L

Number of Countries: 026 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1345132	A1	20030917	EP 2002354046	A	20020314	200370 B

Priority Applications (No Type Date): EP 2002354046 A 20020314

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1345132	A1	E	18	G06F-017/30	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI TR

Abstract (Basic): EP 1345132 A1

NOVELTY - The documents stored in a database, are categorized by assigning FIX, STEP NOTE and TECH NOTE tags, based on the **profile** of a **user** . A list of references of documents is generated, by **applying** a **query** formulated by user to a **search engine** . The references which do not correspond to the **user** 's **profile** are eliminated and a short list is displayed.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for computer program product for storing and retrieving documents in computer system.

USE - For storing and retrieving documents in computer system.

ADVANTAGE - Enables retrieving relevance documents, thereby improving access to the documents stored within the database.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of organization of database of documents.

install labels (201- 203)

boot labels (211-213)

log/connect labels (221-223)

general labels (291-293)

pp; 18 DwgNo 2/5

Title Terms: DOCUMENT; STORAGE; RETRIEVAL; METHOD; COMPUTER; SYSTEM;

DOCUMENT; STORAGE; DATABASE; ASSIGN; FIX; STEP; NOTE; NOTE; TAG; DOCUMENT
; BASED; PROFILE; USER

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

9/5/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015514669 **Image available**

WPI Acc No: 2003-576816/200354

XRPX Acc No: N03-458506

Content files access control method e.g. for education data, audio data, involves modifying search request received from client, based on information pertaining to client, in search profile of client

Patent Assignee: BOGGS C K (BOGG-I); WEIL F L (WEIL-I)

Inventor: BOGGS C K; WEIL F L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030093409	A1	20030515	US 2001754155	A	20010104	200354 B

Priority Applications (No Type Date): US 2001754155 A 20010104

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20030093409	A1	10	G06F-007/00	

Abstract (Basic): US 20030093409 A1

NOVELTY - A search request (210) received from a client, is modified based on the information stored in a **search profile** (214) corresponding to the client. The **modified search request** (220) is transmitted to a **search engine**. The **search results** (230) are processed and provided as standardized search results (240), to the client.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) method for restricting direct access to content files;
- (2) web server; and
- (3) content files access control program.

USE - For controlling access to content files such as education data, audio, video, pictures, public information, minimal and high-level security information through Internet, during information search by client.

ADVANTAGE - Enables to effectively control accessing of content files by clients, based on stored clients profile or account information, in a simple and cost-effective manner.

DESCRIPTION OF DRAWING(S) - The figure shows the flow diagram of the content files access control process.

search request (210)
search profile (214)
modified search request (220)
search results (230)
standardized search results (240)
pp; 10 DwgNo 2/3

Title Terms: CONTENT; FILE; ACCESS; CONTROL; METHOD; EDUCATION; DATA; AUDIO
; DATA; MODIFIED; SEARCH; REQUEST; RECEIVE; CLIENT; BASED; INFORMATION;
PERTAIN; CLIENT; SEARCH; PROFILE; CLIENT

Derwent Class: T01; W01

International Patent Class (Main): G06F-007/00

File Segment: EPI

9/5/3 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014760654 **Image available**

WPI Acc No: 2002-581358/200262

Method for keyword search using statistical data of internet user connection

Patent Assignee: NTIME.COM (NTIM-N)

Inventor: SONG C H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2002017863	A	20020307	KR 200051378	A	20000831	200262 B

Priority Applications (No Type Date): KR 200051378 A 20000831

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2002017863	A	1	G06F-017/30	

Abstract (Basic): KR 2002017863 A

NOVELTY - A keyword searching method using the statistical data of Internet user connection is provided to let users efficiently search

the most appropriate information by arranging the results of keyword searching in a specific priority order.

DETAILED DESCRIPTION - The method comprises steps of inputting **personal profile** data in a **search engine** system(200), storing the personal profile data in a personal information DB(Database) (201), storing the statistical data about the user connection in an integral information DB(203), displaying the search result by keyword **search** corresponding to the **personal profile data** on a web site(204), providing a signal of diversified selection by a user to the integral information DB(205), displaying the **search** result by **changing** the arrangement order corresponding to the priority for the user(206), providing the search history data to the integral information DB(207), and storing the search history data in the integral information DB(208).

pp; 1 DwgNo 1/10

Title Terms: METHOD; KEYWORD; SEARCH; STATISTICAL; DATA; USER; CONNECT

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

9/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012813656 **Image available**

WPI Acc No: 1999-619887/199953

XRPX Acc No: N99-457176

Automatic information request structuring and organizing device in supra-search engine tool for Internet

Patent Assignee: HIRSCH G S (HIRS-I)

Inventor: HIRSCH G S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5978799	A	19991102	US 9735835	A	19970130	199953 B
			US 9815421	A	19980129	

Priority Applications (No Type Date): US 9735835 P 19970130; US 9815421 A 19980129

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5978799	A		9	G06F-017/30	Provisional application US 9735835

Abstract (Basic): US 5978799 A

NOVELTY - An user-interface (100) allows a user to select topics and queries, from standard topic and query databases (104,108) respectively and to **add** additional **queries** in additional query database (110). A supra-search interface presents the user directed set of queries and **user** profile to a supra- **search engine** (120).

DETAILED DESCRIPTION - The supra-search engine can access the text-based search engine (130), e-mails (150), standard template interface (160), a database for retrieved information (124) and a presenter for presenting the retrieved information to a user. The standard template interface interfaces the user directly with databases provided by information providers. An INDEPENDENT CLAIM is also included for a method for formatting queries for conducting supra-search from a number of information sources.

USE - In supra-search engine tool for Internet.

ADVANTAGE - By directing additional queries, the consumers have the option of specifying search criteria and questions can be addressed using automated robot' searches and unique automated e-mail enquiries. Data entered into the database will be deliverable to the consumer in a compact form or accessible online. The system uses robotic search programs to find relevant information on indexed and un-indexed sites as well as to find new sites to index, which serves to keep the information upto date, complete and accurate and hence allows

discrepancies between the data formed automatically and the data entered manually to be resolved before delivery to the consumer. Unnecessary and wasteful traffic on the internet or other network, is reduced by storing and organizing data at one or more central locations, rather than collecting large number of pointers to remote locations that may contain only data that is marginally relevant to the consumer request. By minimizing and customizing searches and time on the internet, local phone and internet provides companies can save on capacity costs.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of information searching system.

User interface (100)

Standard topic and query databases (104,108)

Additional query database (110)

Supra-search engine (120)

Retrieved information database (124)

Text-based search engine (130)

E-mailer (150)

Standard template interface (160)

pp; 9 DwgNo 5/5

Title Terms: AUTOMATIC; INFORMATION; REQUEST; STRUCTURE; DEVICE; SEARCH; ENGINE; TOOL

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

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?t sl2/5/1-4

12/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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015831248 **Image available**
WPI Acc No: 2003-893452/200382

Electronic business card system and network marketing system using the same

Patent Assignee: CHA H J (CHAH-I)

Inventor: CHA H J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2003062754	A	20030728	KR 20023120	A	20020118	200382 B

Priority Applications (No Type Date): KR 20023120 A 20020118

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2003062754	A	1	G06F-017/60	

Abstract (Basic): KR 2003062754 A

NOVELTY - An electronic business card system and a network marketing system using the same are provided to register a person through a business card as the lower marketer of a marketer of the business card by manufacturing a business card by on-line, searching the business card using previous personal information (telephone number, address, E-mail address), and executing a hyperlink of the business card to a network marketing site.

DETAILED DESCRIPTION - A server(20), a network, and a member DB(21) include **personal information** of a **member**. A business card DB(22) includes at least one name and contact place of the member. A business card creation module(25) displays a business card creation web page on the terminal(10,12) in accordance with requests of the terminal(10,12), creates a business card in accordance with inputted information, and creates the business card in the business card DB(22). A business card modification module(26) displays a business card modification web page on the terminal(10,12) in accordance with **requests** of the terminal(10,12), **modifies** the business card in accordance with inputted information, and creates the business card in the business card DB(22). A search module(27) displays a business card **search web page** on the terminal(10,12) in accordance with requests of the terminal(10,12), analyzes inputted information, searches the member DB(21) or the business card DB(22), transmits a searched business card to the terminal(10,12), and displays the business card.

pp; 1 DwgNo 1/10

Title Terms: ELECTRONIC; BUSINESS; CARD; SYSTEM; NETWORK; MARKET; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

12/5/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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015430635 **Image available**
WPI Acc No: 2003-492777/200346
XRPX Acc No: N03-391469

Search logic and results explanation method e.g. for Internet search engine, e-commerce, involves presenting model which explains relation of search elements with comparison element and determination of search results

Patent Assignee: INTEL CORP (ITLC)

Inventor: BOWMAN C M; GOODWIN D L; SORENSEN D L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030071837	A1	20030417	US 2001943404	A	20010830	200346 B

Priority Applications (No Type Date): US 2001943404 A 20010830

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030071837	A1		13	G09G-005/00	

Abstract (Basic): US 20030071837 A1

NOVELTY - A presentation model (402) is presented to explain how a system model (404) relates the search input elements (406) e.g. HTML documents to a comparison element (408) and determines the search results (410). The presentation model explains the relation of system model with comparison element and also the relative importance of the system model with respect to the comparison element.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) machine for explaining search logic and results;
- (2) machine accessible medium storing instructions to perform search logic and results explanation; and
- (3) user interface.

USE - For explaining search logic and results corresponding to working environment including speech-only terminals, multimedia terminals, microprocessor systems, multiprocessor systems, set top boxes, programmable consumer electronics, electronic appliances, network PCs, mini computers, main frame computers, personal area networks (PANs) and distributed environments for accessing information such as e-mail, fax, e-commerce related data, spread sheets, browsers, applications, websites, data warehouse, presentation such as chart, diagram, graph, table, guide, instructions, directories and maps through Internet, fixed or mobile networks, cable wireless local area network (LAN), digital broadcast, IMT 2000 radio access technologies, media gateway controllers and extended digital subscriber link (XDSL).

ADVANTAGE - Displaying similarity profiles and **manipulating** the **profile** of a relevancy **search** helps the user to understand how a search is performed and hence a user learns the process more quickly and searches more efficiently.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic diagram explaining search logic and results.

presentation model (402)
system model (404)
search input element (406)
comparison element (408)
search result (410)
relative importance (414)
pp; 13 DwgNo 4/7

Title Terms: SEARCH; LOGIC; RESULT; METHOD; SEARCH; ENGINE; PRESENT; MODEL;

RELATED; SEARCH; ELEMENT; COMPARE; ELEMENT; DETERMINE; SEARCH; RESULT

Derwent Class: P85; T01; W02

International Patent Class (Main): G09G-005/00

File Segment: EPI; EngPI

12/5/3 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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015130951 **Image available**

WPI Acc No: 2003-191475/200319

XRPX Acc No: N03-151785

Network based service search method involves adding prescribed information to keyword transmitted from user and transmitting keyword along with prescribed information to service search server

Patent Assignee: NEC CORP (NIDE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002373175	A	20021226	JP 2001180014	A	20010614	200319 B

Priority Applications (No Type Date): JP 2001180014 A 20010614

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002373175	A		17	G06F-017/30	

Abstract (Basic): JP 2002373175 A

NOVELTY - The prescribed information such as terminal **profile** ,
user 's profile are added with a keyword transmitted from user
terminal (2) to service search server (4) to search the desired
service.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the
following:

- (1) Service **search engine** ;
- (2) Service provision server;
- (3) Service search program; and
- (4) Service search system.

USE - For providing service to user through network such as
internet.

ADVANTAGE - Provides the service desired by the user reliably by
performing effective search using prescribed information transmitted
along with keyword.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of
the service **search engine** . (Drawing includes non-English language
text).

User terminal (2)

Service search server (4)

pp; 17 DwgNo 1/12

Title Terms: NETWORK; BASED; SERVICE; SEARCH; METHOD; ADD; PRESCRIBED;
INFORMATION; KEYWORD; TRANSMIT; USER; TRANSMIT; KEYWORD; PRESCRIBED;
INFORMATION; SERVICE; SEARCH; SERVE

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

12/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013843523 **Image available**

WPI Acc No: 2001-327736/200134

XRPX Acc No: N01-235798

**Resource relevance calculation refinement method for Internet search
engines , involves incorporating collected rating of relevancy of
resources from multiple users so that calculation is refined and accurate**

Patent Assignee: TRIOGO INC (TRIO-N)

Inventor: PERKINS A

Number of Countries: 083 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200077689	A1	20001221	WO 2000US16224	A	20000614	200134 B
AU 200078234	A	20010102	AU 200078234	A	20000614	200134
EP 1203323	A1	20020508	EP 2000968296	A	20000614	200238
			WO 2000US16224	A	20000614	

Priority Applications (No Type Date): US 99334327 A 19990616

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200077689	A1	E	40	G06F-017/30	

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU
CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS
LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR
TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR

IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW
AU 200078234 A G06F-017/30 Based on patent WO 200077689
EP 1203323 A1 E G06F-017/30 Based on patent WO 200077689
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): WO 200077689 A1

NOVELTY - A particular query is implemented based on which relevancy of resource is calculated. The ratings for relevancy of resources are obtained from multiple users and collected. The collected ratings are incorporated in the calculation of relevancy of resource so that calculation is refined and accurate.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for apparatus to refine the calculation of relevancy of a resources.

USE - Used for homes, business, Internet **search engines**, intranet and world wide web network.

ADVANTAGE - When a **user** with similar **profile** information executes the same query, the results rated highly by similar users are ranked higher, thereby increasing potential relevancy of the results returned.

DESCRIPTION OF DRAWING(S) - The figure shows the flow chart illustrating the steps required to accept feedback from user and **alter** the **search engine** relevancy ranking system.

pp; 40 DwgNo 1/3

Title Terms: RESOURCE; RELEVANT; CALCULATE; REFINE; METHOD; SEARCH; ENGINE; INCORPORATE; COLLECT; RATING; RESOURCE; MULTIPLE; USER; SO; CALCULATE; REFINE; ACCURACY

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

?

Computer server executes command process to receive query from session participant, access results of query from search engine , and distribute results to all session participants

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: BYRD R J; COOPER J W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6185553	B1	20010206	US 9862272	A	19980415	200149 B

Priority Applications (No Type Date): US 9862272 A 19980415

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6185553	B1	12	G06F-017/30	

Abstract (Basic): US 6185553 B1

NOVELTY - A **data** structure has cooperative **user** identifiers each representing a client requesting a cooperative search, and a session identifier that associates the cooperating user identifiers as session participants in a cooperative session. A command process is executed to receive a query from a session participant, access results of the query from a **search engine** , and distribute the results to all session participants.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) a method of searching a database on a computer network;
- (b) and a system for searching a database on a computer network.

USE - For web networking environment.

ADVANTAGE - Allows users to share their query strategies and intermediate results by indicating to search system that they are interested in joining with others who are currently searching for similar **information** . Preserves **user** 's anonymity. Deduces new relationships between **search** terms based on results of **joint queries** , and **adds** learned information to database to assist future **users** in finding similar **information** .

DESCRIPTION OF DRAWING(S) - The figure shows a flowchart of how two search processes become synchronized.

pp; 12 DwgNo 3/8

Title Terms: COMPUTER; SERVE; EXECUTE; COMMAND; PROCESS; RECEIVE; QUERY;

SESSION; PARTICIPATING; ACCESS; RESULT; QUERY; SEARCH; ENGINE; DISTRIBUTE ; RESULT; SESSION; PARTICIPATING

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

14/5/27 (Item 27 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013831668 **Image available**

WPI Acc No: 2001-315880/200133

XRPX Acc No: N01-227080

Natural language based database searching method in internet, involves searching datasoup with string of bytes, matching string of bytes with data in the datasoup so as to retrieve results from database

Patent Assignee: ALBERT HOLDING SA (ALBE-N); ALBERT INC SA (ALBE-N)

Inventor: LIVOWSKY J

Number of Countries: 093 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200075808	A1	20001214	WO 2000IB465	A	20000414	200133 B
AU 200035731	A	20001228	AU 200035731	A	20000414	200133
EP 1185942	A1	20020313	EP 2000914338	A	20000414	200225
			WO 2000IB465	A	20000414	
US 6598039	B1	20030722	US 99327605	A	19990608	200354

Priority Applications (No Type Date): US 99327605 A 19990608

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200075808 A1 E 35 G06F-017/30

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH
CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE
KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU
SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200035731 A G06F-017/30 Based on patent WO 200075808

EP 1185942 A1 E G06F-017/30 Based on patent WO 200075808

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI
LU MC NL PT SE

US 6598039 B1 G06F-017/30

Abstract (Basic): WO 200075808 A1

NOVELTY - A user formulated search request in the natural language is received. The search request is converted into a list of **search** words, including **restrictive search** words and additional **search** words, which are converted into a string of bytes. A datasoup is searched with the string of bytes. The string of bytes is matched with the data in the datasoup and results are retrieved from the database.

DETAILED DESCRIPTION - A preference file for each of a several **users** is created. **Information** about the **user** is stored in the preference file. The **information** includes the **user**'s identification, the user's own vocabulary, use of synonyms, common spelling errors and unique writing style. The stored information is retrieved from the preference file to analyze the search request. A system database is accessed to analyze a search request. The system database stores global rules, preference files and dictionaries. INDEPENDENT CLAIMS are also included for the following:

- (a) System for searching a database using a natural language;
- (b) Program storage device

USE - In internet for information retrieval, for educational, commercial and personal needs.

ADVANTAGE - Provides an interface for a **search engine** that is user friendly and accepts natural language queries. The interface processes misspelled queries and queries with syntax errors. Allows a **search engine** to provide user specific or personalized answers and to extract information from prior search sessions and upgrade its own vocabulary and knowledge database.

DESCRIPTION OF DRAWING(S) - The figure shows the flow diagram illustrating several steps involved in searching a database in accordance with the method.

pp; 35 DwgNo 4/10

Title Terms: NATURAL; LANGUAGE; BASED; DATABASE; SEARCH; METHOD; SEARCH;

STRING; BYTE; MATCH; STRING; BYTE; DATA; SO; RETRIEVAL; RESULT; DATABASE

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

14/5/28 (Item 28 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013685339 **Image available**

WPI Acc No: 2001-169563/200118

XRPX Acc No: N01-227527

Content-indexing search system for providing search results consistent with content filtering and blocking policies has search engine including database coupled to an information network

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC); IBM CORP (IBMC)

Inventor: MASSARANI L C; MASSARANI L

Number of Countries: 005 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CN 1272656	A	20001108	CN 2000106766	A	20000413	200118 B
CA 2300239	A1	20001030	CA 2300239	A	20000308	200134
JP 2000357176	A	20001226	JP 2000121247	A	20000421	200119
US 6336117	B1	20020101	US 99302851	A	19990430	200207
SG 96549	A1	20030616	SG 20002183	A	20000417	200354

Priority Applications (No Type Date): US 99302851 A 19990430

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CN 1272656	A			G06F-017/30	
CA 2300239	A1	E	19	H04L-012/16	
JP 2000357176	A		13	G06F-017/30	
US 6336117	B1			G06F-017/00	
SG 96549	A1			G06F-017/30	

Abstract (Basic): CA 2300239 A1

NOVELTY - A content-indexing **search engine** includes a database coupled to an **information network**. A **user** provides search queries to the **search engine** through a gateway serving as a proxy server and cache and blocking engine. The blocking engine implements content filtering and blocking policies with respect to the **search results**. The **search engine** is **modified** to implement the same content blocking policy as the caching and filtering engine.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for the method of providing search results which are consistent with content filtering and blocking policies.

USE - On the internet, as a **search engines**.

ADVANTAGE - Provides consistency between the results of an end user contents search and an individual organization's content filtering and blocking policy. The invention is immediately available to existing Internet and other networks, data protocols and standards without the need for modification.

DESCRIPTION OF DRAWING(S) - Drawing shows a block diagram of an information retrieval system including a content server having a database, a catching engine implementing blocking policies, an external **search engine**, the **search engine** coupled to an end user and the content server.

pp; 19 DwgNo 1/6

Title Terms: CONTENT; INDEX; SEARCH; SYSTEM; SEARCH; RESULT; CONSISTENT; CONTENT; FILTER; BLOCK; SEARCH; ENGINE; DATABASE; COUPLE; INFORMATION; NETWORK

Derwent Class: T01; W01

International Patent Class (Main): G06F-017/00 ; G06F-017/30 ; H04L-012/16

International Patent Class (Additional): G06F-012/00 ; G06F-013/00 ; G06F-017/60

File Segment: EPI

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Set

	Items	Description
S1	2841	SEARCH?(3N) (ENGINE?? OR SITE? OR PAGE? ? OR WEBSITE? OR WE- BPAGE? OR PORTAL?) OR (INTERNET OR WEB OR ONLINE) (1W) DIRECT- OR? ?
S2	76896	CLIENT? OR USER? OR SEARCH? OR INDIVIDUAL? OR CUSTOMER? OR PARTICIPANT? OR STUDENT? OR PERSON? ? OR REQUEST?R? OR MEMBER? OR ACCOUNT OR PATRON? OR CONSUMER?
S3	3821	PROFIL? OR (PERSONAL OR DISTINGUISH? OR DIFFERENTIAT?) (1W)- (INFORMATION? OR DATA OR IDENTIFIER? OR FACT? OR ATTRIBUTE? OR CHARACTERIS? OR CHARACTERIZ? OR DESCRIPTION?)
S4	859	S2(3N)S3
S5	27702	MODIFY? OR MODIFI??? OR MODIFICATION? OR RESTRICT? OR CHA- NG??? OR EDIT??? OR MANIPULAT??? OR ADJUST? OR ALTER??? OR AL- TERATION? OR APPLY????
S6	23614	ADD??? OR JOIN??? OR APPEND? OR MERGE? OR MERGING OR ANNEX? OR ATTACH? OR UNITE? ? OR UNITING?
S7	12145	REQUEST? ? OR SEARCH? ? OR QUERY OR QUERIES OR INQUIRY OR - INQUIRIES
S8	585	(S5 OR S6) (3N) S7
S9	2	S1(S)S4(S)S8
S10	2	S1 AND S4 AND S8

?show files

File 256:SoftBase:Reviews,Companies&Prods. 82-2004/Jan

(c)2004 Info.Sources Inc

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9/5/1

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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02686549 DOCUMENT TYPE: Company

Pinpoint.com Inc (686549)

2605 Meridian Pkwy #210
Durham, NC 27713 United States
TELEPHONE: (919) 251-7000
TOLL FREE TELEPHONE NUMBER: (800) 923-8889
FAX: (919) 251-7001
HOMEPAGE: <http://www.pinpoint.com>
EMAIL: sales@pinpoint.com

RECORD TYPE: Directory

CONTACT: Sales Department

ORGANIZATION TYPE: Corporation
STATUS: Active

Pinpoint.com Incorporated provides an Internet **search engine** for the wired and wireless Webs. Its service produces the most useful, relevant results for each searcher by customizing **searches** based on **customer profiles** . By using **customer profiles** , Pinpoint.com can **modify** its **search engine** to meet each customer's specific needs, producing only results that meet the specific needs and interests of the user. Pinpoint.com services can be integrated into an existing business Web site.

SALES: NA

DESCRIPTORS: Mobile Computing; Search Engines; Wireless Internet
REVISION DATE: 20010430

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Set	Items	Description
S1	3	AU='WEIL, FRANK'
S2	2	AU='BOGGS, C.K.'
S3	5	S1 OR S2
S4	38	FRANK(2N)WEIL OR BOGGS (2N)CHADWICK
S5	0	S4 AND SEARCH()ENGINE?
S6	1	S4 AND (INTERNET OR WWW OR WEB)

?show files

File 35:Dissertation Abs Online 1861-2004/Jan
(c) 2004 ProQuest Info&Learning

File 65:Inside Conferences 1993-2004/Feb W4
(c) 2004 BLDSC all rts. reserv.

File 148:Gale Group Trade & Industry DB 1976-2004/Feb 23
(c)2004 The Gale Group

File 2:INSPEC 1969-2004/Feb W3
(c) 2004 Institution of Electrical Engineers

File 16:Gale Group PROMT(R) 1990-2004/Feb 23
(c) 2004 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group

File 636:Gale Group Newsletter DB(TM) 1987-2004/Feb 23
(c) 2004 The Gale Group

File 624:McGraw-Hill Publications 1985-2004/Feb 23
(c) 2004 McGraw-Hill Co. Inc

File 275:Gale Group Computer DB(TM) 1983-2004/Feb 23
(c) 2004 The Gale Group

File 647:CMP Computer Fulltext 1988-2004/Feb W3
(c) 2004 CMP Media, LLC

File 674:Computer News Fulltext 1989-2004/Feb W4
(c) 2004 IDG Communications

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Set	Items	Description
S1	11	AU='WEIL F':AU='WEIL F R'
S2	4	AU='BOGGS C':AU='BOGGS C K'
S3	14	S1:S2
S4	0	S3 AND (G06F? OR H04L?)
S5	2	S3 AND IC=(G06F? OR H04L?)
S6	1	S3 AND SEARCH?
S7	0	S6 NOT S5

?show files

File 350:Derwent WPIX 1963-2004/UD,UM &UP=200412
(c) 2004 Thomson Derwent

File 347:JAPIO Oct 1976-2003/Oct(Updated 040202)
(c) 2004 JPO & JAPIO

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5/9/1-2

5/9/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015838958 **Image available**

WPI Acc No: 2003-901162/200382

XRPX Acc No: N03-719507

Inter-sharable content object navigation method for providing on-line education, involves displaying previous or next sharable object content, if current content is exited at beginning or at end

Patent Assignee: HEDDINGS J A (HEDD-I); SCHOETTGER C A (SCHO-I); WEIL F L (WEIL-I)

Inventor: HEDDINGS J A; SCHOETTGER C A; WEIL F L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030208604	A1	20031106	US 2002137901	A	20020501	200382 B

Priority Applications (No Type Date): US 2002137901 A 20020501

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20030208604	A1	11	G06F-015/16	

US 20030208604 A1 11 G06F-015/16

Abstract (Basic): US 20030208604 A1

NOVELTY - The sharable content object reference model (SCORM) having sharable content objects (SCOs), is retrieved from a memory. The retrieved SCOs are displayed and it is determined whether the current SCO is exited at the beginning or at the end, based on which the previous SCO or next SCO is displayed. If the SCO is exited at the middle, the previous portion of same SCO is displayed.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) article of manufacture comprising computer readable medium storing inter-SCO navigation process; and

(2) inter-SCO navigating apparatus.

USE - For navigating inter-SCO for providing on-line education and also for providing electronic games.

ADVANTAGE - Allows users to easily navigate the inter- sharable content object.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart explaining the inter-SCO navigation process.

pp; 11 DwgNo 4/4

Title Terms: INTER; CONTENT; OBJECT; NAVIGATION; METHOD; LINE; EDUCATION;

DISPLAY; OBJECT; CONTENT; CURRENT; CONTENT; EXIT; BEGIN; END

Derwent Class: T01; W04

International Patent Class (Main): G06F-015/16

File Segment: EPI

Manual Codes (EPI/S-X): T01-J30A; T01-N01B1; T01-S03; W04-W05A

5/9/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015514669 **Image available**

WPI Acc No: 2003-576816/200354

XRPX Acc No: N03-458506

Content files access control method e.g. for education data, audio data, involves modifying search request received from client, based on information pertaining to client, in search profile of client

Patent Assignee: BOGGS C K (BOGG-I); WEIL F L (WEIL-I)

Inventor: BOGGS C K ; WEIL F L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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US 20030093409 A1 20030515 US 2001754155 A 20010104 200354 B

Priority Applications (No Type Date): US 2001754155 A 20010104

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20030093409 A1 10 G06F-007/00

Abstract (Basic): US 20030093409 A1

NOVELTY - A search request (210) received from a client, is modified based on the information stored in a search profile (214) corresponding to the client. The modified search request (220) is transmitted to a search engine. The search results (230) are processed and provided as standardized search results (240), to the client.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) method for restricting direct access to content files;
- (2) web server; and
- (3) content files access control program.

USE - For controlling access to content files such as education data, audio, video, pictures, public information, minimal and high-level security information through Internet, during information search by client.

ADVANTAGE - Enables to effectively control accessing of content files by clients, based on stored clients profile or account information, in a simple and cost-effective manner.

DESCRIPTION OF DRAWING(S) - The figure shows the flow diagram of the content files access control process.

search request (210)
search profile (214)
modified search request (220)
search results (230)
standardized search results (240)
pp; 10 DwgNo 2/3

Title Terms: CONTENT; FILE; ACCESS; CONTROL; METHOD; EDUCATION; DATA; AUDIO
; DATA; MODIFIED; SEARCH; REQUEST; RECEIVE; CLIENT; BASED; INFORMATION;
PERTAIN; CLIENT; SEARCH; PROFILE; CLIENT

Derwent Class: T01; W01

International Patent Class (Main): G06F-007/00

File Segment: EPI

Manual Codes (EPI/S-X): T01-J30A; T01-N02B1A; T01-N03A2; T01-S03; W01-A05B

?



Creation date: 02-17-2005
Indexing Officer: LPHAM1 - LINH PHAM
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Dossier: 09100934

Legal Date: 02-15-2005

No.	Doccode	Number of pages
1	NOA	3
2	NOA	4
3	892	1
4	NPL	40
5	IIFW	1
6	FWCLM	1
7	BIB	1
8	SRFW	1

Total number of pages: 52

Remarks:

Order of re-scan issued on